This printed version of the Schedule of Classes is current as of 12/22/25 9:01 AM.

AAAS African American and Africana Studies Fall 2025

AAAS100 **Introduction to African American and Africana Studies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP

Credit only granted for: AASP100 or AAAS100. Formerly: AASP100.

Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0101	Shane Walsh MWF 10:00am - 10:50am	Seats (Total: 35) SYM 0215
0201	Shane Walsh MWF 12:00pm - 12:50pm	Seats (Total: 35) SYM 0215
0301	Periloux Peay TuTh 9:30am - 10:45am	Seats (Total: 70) SQH 1120
0401	Jason Nichols TuTh 11:00am - 12:15pm	Seats (Total: 30) SKN 1115
0501	Jason Nichols TuTh 12:30pm - 1:45pm	Seats (Total: 35) SKN 1115

AAAS101 **Public Policy and the Black Community**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

Credit only granted for: AASP101 or AAAS101. Formerly: AASP101.

The impact of public policies on the Black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.

0101	Chinyere Osuji TuTh 11:00am - 12:15pm	Seats (Total: 40) ONLINE
0201	Cecily Jackson TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 0120

AAAS187 **The New Jim Crow: African-Americans, Mass Incarceration and the Prison Industrial Complex**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP, SCIS

Recommended: AASP100. Credit only granted for: AASP187 or AAAS187. Formerly: AASP187.

Students will examine the birth of the racial caste system following the abolition of slavery, the parallels between the racial hierarchy of the Jim Crow system and contemporary mass incarceration, and the rise of the prison industrial complex as a multi-billon business which thrives on the oppression of low-income populations and poor communities of color.

0101	Joseph Richardson Tu 3:30pm - 6:00pm	Seats (Total: 30) ESJ B0322

AAAS200 **African Civilization**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Credit only granted for: AASP200 or AAAS200. Formerly: AASP200.

A survey of African civilizations from 4500 B.C. to present. Analysis of traditional social systems. Discussion of the impact of European colonization on these civilizations. Analysis of the influence of traditional African social systems on modern African institutions as well as discussion of contemporary processes of Africanization.

0101	George Kintiba TuTh 9:30am - 10:45am	Seats (Total: 40) SQH 1101

AAAS202 **Black Culture in the United States**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP

Credit only granted for: AASP202 or AAAS202. Formerly: AASP202.

The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of Black creative expression from the 19th-century to the present.

0101	Robert Choflet MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 35) SYM 0215 ONLINE
0201	Robert Choflet MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 35) SYM 0215 ONLINE

0301	Angelica Dunbar TuTh 11:00am - 12:15pm	Seats (Total: 35) KEY 0102
0401	John Drabinski TuTh 2:00pm - 3:15pm	Seats (Total: 35) SKN 1115
0501	Angelica Dunbar TuTh 9:30am - 10:45am	Seats (Total: 20) JMZ 0205

AAAS211 **Get Out: The Sunken Place of Race Relations in the Post-Racial Era**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP, SCIS

Credit only granted for: AASP211 or AAAS211. Formerly: AASP211.

Prevailing thought suggests that we live in an era that is post-racial, particularly after the election of Barack Obama. Media often serves to drive our assessment of where our nation stands on issues like race, gender and sexuality. This course uses the film Get Out to delve into the production, evolution and significance of race in present day America. The course will engage multiple forms of media to investigate life in "Post-Racial" America, including but not limited to the role of stereotypes, interracial relationships, police-community relations, etc.

0101	Shane Walsh MW 2:00pm - 3:15pm	Seats (Total: 30) BPS 1238

AAAS230 **Social (In)Justice and African-American Health and Well-Being**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP, SCIS

Credit only granted for: AASP230 or AAAS230. Formerly: AASP230.

African Americans suffer worse outcomes than non-Hispanic whites on nearly every health measure and outcomes that link to overall well-being like depressive symptoms or homicides. Health disparities are experienced by other underrepresented minority groups, but because of the unique historic and current experiences of African Americans, the determinants and solutions to African American health disparities are unique. The premise of this course is that African American health disparities are due to social injustices perpetuated on the institutional level that have permeated the lived experiences of African Americans leading to racial disparities in health and well-being. As such, the solutions on the both policy, and community, level must have a social justice approach.

0101	Ashley Newby MW 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 30) ASY 3211 ONLINE

0201	Sangeetha Madhavan	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	JMP 1109

AAAS234 **African-American Literature and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP

Cross-listed with: ENGL234. Credit only granted for: ENGL234, AAAS234 or AASP298L.

An exploration of the stories black authors tell about themselves, their communities, and the nation as informed by time and place, gender, sexuality, and class. African American perspective themes such as art, childhood, sexuality, marriage, alienation and mortality, as well as representations of slavery, Reconstruction, racial violence and the Nadir, legalized racism and segregation, black patriotism and black ex-patriots, the optimism of integration, and the prospects of a post-racial America.

0201	Tyra Griffin	Seats (Total: 30)
	MWF 12:00pm - 12:50pm	TWS 0234

AAAS254 **African-American History to 1865**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVUP

Cross-listed with: HIST254. Credit only granted for: HIST254, AAAS254 or AASP298C.

Survey of the principal developments in the history and culture of the peoples of African descent in colonial North America and the United States to 1865. Examines the African past, the Atlantic slave trade, variation in slavery, the growth of free black communities, the transformations of families and cultural forms, and patterns of resistance.

0101	Leigh Soares	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 0103

AAAS263 **Introduction to Black Women's Studies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Cross-listed with: WGSS263. Credit only granted for: WMST263, AASP298I, WGSS263, AAAS263 or AASP263. Formerly: WMST263.

Interdisciplinary exploration of Black women, culture and society in the United States. Drawn primarily from the social sciences and history with complementary material from literature and the arts.

0101	Elsa Barkley Brown	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	ONLINE

AAAS310 **African Slave Trade**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: AAAS202 or AAAS100; or permission of BSOS-African American and Africana Studies department. Credit only granted for: AASP310 or AAAS310. Formerly: AASP310.

The relationship of the slave trade of Africans to the development of British capitalism and its industrial revolution; and to the economic and social development of the Americas.

0101	George Kintiba	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	SQH 1103

AAAS320 **Poverty and African American Children**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Cross-listed with: SOCY320. Credit only granted for: AASP320, AAAS320, AASP298P or SOCY320. Formerly: AASP298P.

The United States has high levels of child poverty compared to other industrialized nations. Poverty rates are particularly high among African American children. This course focuses on how poverty and race intersect to influence the development of children and youth. Specific topics that we will consider include definitions of poverty, theories about the causes of poverty, racial disparities in child poverty, family functioning in the context of poverty, neighborhood influences, risk and protective processes, and social policies and programs designed to mitigate the impact of poverty.

0101	Cecily Jackson	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	TLF 0103

AAAS386 **Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of BSOS-African American and Africana Studies department; and junior standing or higher. Credit only granted for: AASP386 or AAAS386. Formerly: AASP386.

Updating course code to align with department name change

0101	Marshal Washington	Seats (Total: 10)
	F 2:00pm - 4:30pm	Location: TBA

AAAS397 **Senior Thesis**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of BSOS-African American and Africana Studies department. Credit only granted for: AASP397 or AAAS397. Formerly: AASP397.

Directed research in African American Studies resulting in the completion and defense of a senior thesis.

0101	John Drabinski Contact instructor or department for details.	Seats (Total: 2)
0201	Angelica Dunbar Contact instructor or department for details.	Seats (Total: 2)
0301	Sharon Harley Contact instructor or department for details.	Seats (Total: 2)
0401	Cecily Jackson Contact instructor or department for details.	Seats (Total: 2)
0501	Sangeetha Madhavan Contact instructor or department for details.	Seats (Total: 2)
0601	Ashley Newby Contact instructor or department for details.	Seats (Total: 1)
0701	Chinyere Osuji Contact instructor or department for details.	Seats (Total: 2)
0801	Periloux Peay Contact instructor or department for details.	Seats (Total: 2)
0901	Joseph Richardson Contact instructor or department for details.	Seats (Total: 2)

AAAS398B **Selected Topics in the African Diaspora; Black Immigrants: Challenges and Impacts**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Analysis of the historical experiences and cultures of African-descendant peoples globally.

How does immigration affect Black communities in the United States? How are foreign Blacks affected by living in the United States? Students will learn about: US history of immigration policy; pull and push factors driving Black migration; comparisons in socioeconomic outcomes between foreign and native Blacks; and differences between 1st and 2nd generation Black immigrants.

0101	Beka Guluma TuTh 11:00am - 12:15pm	Seats (Total: 20) TLF 1102

AAAS398D **Selected Topics in the African Diaspora**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Analysis of the historical experiences and cultures of African-descendant peoples globally.

Cross-listed with HIST338K. Credit will be only granted for AAAS398D or HIST338K.

0101	Michael Becker	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TLF 1103

AAAS398J **Selected Topics in the African Diaspora; Black Women in Twentieth Century America**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Analysis of the historical experiences and cultures of African-descendant peoples globally.

0101	Leigh Soares	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TLF 1103

AAAS398W **Selected Topics in the African Diaspora; Menace 2 Society: Structural Racism in Nihilistic Urban and Brown Films**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Analysis of the historical experiences and cultures of African-descendant peoples globally.

Cross-listed with: AMST328V and USLT398B. Credit only granted for: AAAS398W, AMST328V, or USLT398B.

0101	Jason Nichols	Seats (Total: 25)
	W 3:00pm - 5:30pm	BPS 1232

AAAS399 **Research in African-American and Africana Studies**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

African American Studies research labs are the settings in which the most recent scholarly work of each faculty member takes place with the enterprise of conducting and disseminating research. Faculty members operate as the team leader and faculty mentor working with undergraduate students around a specific research topic or project. Students will have the opportunity to assist with reviewing literature, data gathering, data management, coding analysis, and the preparation of conference presentations and scholarly publications while advancing their own scholarship and interests, cultivating integrative skills, and gain training in a specialized aspect of the African American Studies discipline, which may not be otherwise available from other experiences on campus.

0101	Robert Choflet	Seats (Total: 4)
	Contact instructor or department for details.	

0201	John Drabinski Contact instructor or department for details.	Seats (Total: 4)
0301	Angelica Dunbar Contact instructor or department for details.	Seats (Total: 4)
0401	Sharon Harley Contact instructor or department for details.	Seats (Total: 4)
0501	Cecily Jackson Contact instructor or department for details.	Seats (Total: 4)
0601	George Kintiba Contact instructor or department for details.	Seats (Total: 4)
0701	Sangeetha Madhavan Contact instructor or department for details.	Seats (Total: 4)
0801	Ashley Newby Contact instructor or department for details.	Seats (Total: 4)
0901	Jason Nichols Contact instructor or department for details.	Seats (Total: 4)
1001	Chinyere Osuji Contact instructor or department for details.	Seats (Total: 4)
1101	Periloux Peay Contact instructor or department for details.	Seats (Total: 4)
1201	Joseph Richardson Contact instructor or department for details.	Seats (Total: 4)
1301	Shane Walsh Contact instructor or department for details.	Seats (Total: 4)

AAAS400 **Directed Readings in African American and Africana Studies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP

Prerequisite: AAAS202 or AAAS100. Credit only granted for: AASP400 or AAAS400. Formerly: AASP400.

The readings will be directed by the faculty of African American Studies. Topics to be covered will be chosen to meet the needs and interests of individual students.

0101	George Kintiba	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	SQH 1103

AAAS412 **Inventing (and Reinventing) Whiteness: The Origins, Transformations, and Future of Race in the US**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: AAAS202 or AAAS100. Cross-listed with: AMST412. Credit only granted for: AAAS412, AASP412 or AMST412. Formerly: AASP412.

This course will study the historical origins of whiteness, its transformations over time, and the role it has played (and continues to play) as an organizing force of political, economic, cultural, and domestic life within America. Further, this course will draw on critical intellectual traditions within African American and Africana Studies in order to imagine the future(s) of race, including abolitionist futures where democratic modes of social organization challenge, displace, and undo racialized hierarchies.

0101	Robert Choflet	Seats (Total: 25)
	Tu 3:30pm - 6:00pm	WDS 0104

AAAS415 **"Through The Wire": The Politics and Policies of a Chocolate City**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: AAAS101 or AAAS100. Cross-listed with: GVPT368W. Credit only granted for: AAAS415 or GVPT368W.

We will use the HBO television series, The Wire, as a thread to integrate topics that form the basis of a thorough understanding of urban politics. Each week will have a different thematic focus - i.e., community development, inequality, crime, incarceration, policing, labor, education, and racial relations - and will couple scholarly work with in-class discussions to examine the social and political dynamics that emerge in the series. All of the assignments work together to expose students to social science, how social science is conducted, and how political science can help us better understand the world around us.

0101	Periloux Peay	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TYD 2106

AAAS498D **Special Topics in Black Culture; Revolutionary Struggles: History, Theory, Strategy**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

This course is a gathering place and thought laboratory for people passionate about activism, community organizing, movement building, social transformation, and struggles for liberation. We will read movement manifestoes, theories and histories of revolutionary struggles,mission statements of social justice organizations, and (auto)biographies of leaders. We will also watch and listen to protest footage and protest music. The curriculum spans Abolitionism, Civil Rights, Second-Wave Feminism, Black Power, Indigenous Sovereignty, Gay Liberation, Anti-Colonialism, Anti-Fascism, Reproductive Justice, Environmental Justice, Anti-Apartheid, Occupy, Arab Spring, Black Lives Matter, Palestine Solidarity, and more--emphasizing the roles of young people and students. Throughout, wewill chart the histories of these movements; theorize their characteristics; assess their strengths and shortcomings; and hone our own strategies forcollective resistance and liberation.

0101	La Marr Bruce	Seats (Total: 20)
	W 3:00pm - 5:30pm	TWS 0330

AAAS498K **Special Topics in Black Culture; Tenderness in Black Expressive Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

Cross-listed with WGSS488C. Credit granted for WGSS488C or AAAS498K. Using a Black cultural studies approach to affect theory, a field of scholarship dedicated to the humanistic study of feeling, students will engage art that prioritizes a lesser known definition of tenderness, e.g. the sensitivity from a prior wound. Throughout the semester, we will read fiction, legal documents, lyrics, poetry, prose, and theory; listento Black music, podcasts, and interviews; and watch documentary, film, and music videos. Questions to explore include, what is tenderness? Whatis affect theory s relationship to gender, race, and sexuality? Whatqualities of Black/queer life come into focus when artists subvert assumptions of their (in)capacity? What do they risk when uncommon formsof tenderness resist racial/gender norms and deviate from what is deemed respectable?

0101	Will Mosley	Seats (Total: 15)
	Tu 3:30pm - 6:15pm	SQH 4116

AAAS498Y **Special Topics in Black Culture; Black Queer Studies**

Credits: 3 Grading Method: Regular

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

Black Queer Studies is an intersectional and interdisciplinary approach to LGBTQ+ Studies and Black Studies. In this course, we will center Blackness to meditate upon the overlapping and interwoven categories of race, gender, and sexuality with the goal of decoupling whiteness from LGBTQ+ studies and decoupling heterosexuality from Black studies. We will look at texts from the humanities and social sciences as well literature and film in order to trace topical trajectories of Black queer thought. We will explore the meaning of queerness in relation to blackness, touch upon moments in black queer history, analyze questions of black queer representation and erasure, and press upon hot button topics such as queer identity and the black church, African and global queer and trans identities, Blackness and homophobia, white LGBTQ+ racism, and Black queer pleasure. Throughout we will consider how Black queer liberation can and has provided tools and a guide for our collective liberation.

0101	Sydney Lewis	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	SQH 1101

AAAS499N **Advanced Topics in Public Policy and the Black Community; Media Coverage of Diversity**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examination of specific areas of policy development and evaluation in black and other communities. Application of advanced tools of policy analysis, especially quantitative, statistical and micro-economic analysis.

Cross-listed with JOUR453. Credit only granted for JOUR453 or AAAS499N. Analysis of media coverage of issues relating to diversity in the United States, with special attention to race, ethnicity, class, gender, sexual orientation and religious affiliation.

0101	Anne Rosen	Seats (Total: 25)
	TuTh 9:30am - 10:45am	KNI 3202

AAST Asian American Studies Fall 2025

AAST200 **Introduction to Asian American Studies**

Credits: 3 Grading Method: Regular, Pass-Fail CORE: SB, D General Education: DSHS, DVUP

Cross-listed with: AMST298C. Credit only granted for: AAST200 or AMST298C.

The aggregate experience of Asian Pacific Americans, from developments in the countries of origin to their contemporary issues. The histories of Asian Pacific American groups as well as culture, politics, the media, and stereotypes, viewed from an interdisciplinary perspective.

0101	Binod Paudyal	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	TWS 0205

AAST322 **Immigration and Ethnicity in the US**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, DVUP

Cross-listed with: SOCY322. Credit only granted for: AAST322, SOCY222, HIST322 or SOCY322. Formerly: AAST222, SOCY222.

Explores historical and contemporary Asian immigration to the US in comparison to and in the context of other immigrant groups. From low-skilled laborers to highly-skilled professionals, Asian and other immigrants have been an integral part of the shifting US economy and society since its inception. The course includes theories on why immigration occurs, determinants of its continuation, the uses of migrant labor, and immigrant adaptation and settlement. The second part of the course focuses on theories of ethnicity and racial formation and how immigrants develop and challenge the definitions of race, ethnicity, the "other", and ultimately, who is American. Students will also have the opportunity to gain first-hand knowledge of the immigrant experience through a life history interview project.

0101	Julie Park	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ASY 1213

AAST351 Asian Americans and Media

Credits: 3	Grading Method: Regular, Pass-Fail	General Education: DSSP, DVUP

Credit only granted for: AAST351, AAST398M or AAST398N. Formerly: AAST398M, AAST398N.

From yellow peril invaders to model minority allies, Asian Americans have crafted their own dynamic cultural expressions in a number of media from film, television, and music to fashion, sports, and food that reveal and contest the contradictions of the U.S. nation-state. Asian American culture also uniquely sits at the nexus of immigration flows and digital technologies, providing a transnational lens to view the US place in the world. This advanced course, then, will introduce students to the study and practice of Asian American culture as multiple , hybrid, and heterogeneous. It will do so through three sections: section one will introduce students to classical, cultural, and media concepts as well as relevant keywords outlined by Asian American Studies scholars; section two will review the work of Asian American cultural theorists; section three will focus on analyses of particular Asian American cultural productions. In doing so, students will gain an understanding of the shifting and interlocking tensions among the local, the national, and the global that form the cultural geographies of Asian America.

0101	Binod Paudyal	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	JMZ 2123

AAST355 Asian Americans in Film

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	General Education: DSHU, DVUP

Cross-listed with: AMST328W. Credit only granted for: AAST355, AAST398L or AMST328W. Formerly: 398L.

Explores how Asian Americans have historically been represented in the U.S. by Hollywood, and in turn, how independent and Hollywood Asian American filmmakers have represented themselves. It covers the history of racial, gendered, and sexualized representations of Asian Americans in Hollywood, as well as Asian American filmic responses within and outside Hollywood. It also introduces how four basic tools of film analysis mise-en-scene, cinematography, editing and sound work together to create meaning in moving images. It examines how these elements are put together in three different types of films by Asian American filmmakers: narrative, documentary, and experimental. How films function in society to circulate ideas that reproduce and challenge stereotypes about Asian Americans.

0101	Jennifer Cho TuTh 2:00pm - 3:15pm	Seats (Total: 35) TWS 0223

AAST363 **Filipino American History and Biography**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHS, DVUP

Cross-listed with: AMST323. Credit only granted for: AAST363, AMST323, AAST398D, or AMST328J. Formerly: AAST398D.

Focus is placed on Filipino American experiences with an emphasis on identity, community building and organizing to influence public policy We will cover pertinent events from the US and Philippine history in order to understand the impact of colonialism, migration, immigration and assimilation on Filipino Americans.

0101	Gemirald Daus Tu 5:00pm - 7:30pm	Seats (Total: 35) TYD 0111

AAST378 **Experiential Learning**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Field experience/internship in professional organizations and appropriate private and governmental agencies serving the Asian American community.

0101	Janelle Wong Contact instructor or department for details.	Seats (Total: 2)

AAST388 **Independent Research**

(Perm req)

Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit

Directed, independent study in Asian American Studies resulting in the completion of an original research paper.

0101	Janelle Wong Contact instructor or department for details.	Seats (Total: 2)

0201	Binod Paudyal Contact instructor or department for details.	Seats (Total: 2)
0301	Julie Park Contact instructor or department for details.	Seats (Total: 2)
0401	Jennifer Cho Contact instructor or department for details.	Seats (Total: 2)
0501	Instructor: TBA Contact instructor or department for details.	Seats (Total: 2)

AAST394 **Growing Up Asian American: The Asian Immigrant Family and the Second Generation**

Credits: 3 Grading Method: Regular General Education: DVCC

Cross-listed with: AMST324, IMMR394. Credit only granted for: AAST394, AAST398E, AMST324, AMST328V, IMMR319G or IMMR394. Formerly: AAST398E.

An interdisciplinary course examines the experiences of children of Asian immigrants in the U.S., focusing on intergenerational dynamics in the Asian immigrant family, their intersections with race, gender, class, sexuality, and religion, and how these shape second-generation Asian American life. Topics include identity and personhood, the model minority myth and education, work and leisure, language and communication, filiality and disownment, mental health and suicide.

0101	Wenxi Yang TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1120

AAST398I **Selected Topics in Asian American Studies; Preserving Asian American Histories**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Study of a specific theme or issue involving the Asian America experience.

This course introduces students to historic preservation and the ways in which Asian Americans have been interpreted through narratives of archival research of the built environment and landmark designation. Students will gain a greater understanding of the role of Asian Americans in US historic preservation practice, the preservation of Asian Americans historic sites (people, places, historical moments) and how to conduct research on Asian American historic preservation. Though the class will concentrate on Asian Americans, issues related to Asian American represented in historic preservation (including historic sites) will be examined within the larger context of America's multicultural preservation landscape. Cross-listed with HISP319K. Credit only granted for HISP319K or AAST398I.

0101	Michelle Magalong TuTh 12:30pm - 1:45pm	Seats (Total: 24) ARC 1101

AAST422 **Asian American Women and Gender**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: AAST498G or AAST422. Formerly: AAST498G.

Examines Asian/American cultural production along with theories of gender and sexuality in the field of Asian American Studies. We consider how Asian American femininities/masculinities are conceived and circulated, drawing from a diverse selection of twentieth-century and contemporary texts, films and images that connect Asian American bodies to ideas of absence, danger, inscrutability, hyper- or hypo-sexuality, and virulence. Beginning with early to mid-twentieth century representations, the course attends to theories that clarify the contested relationship between the East/West and Asia/U.S. Also examined are the methods through which bodies differentiated by sex, gender, and race are managed, surveilled, and rehabilitated, with close attention to the enduring legacies of American expansionism and conquest, anti-immigration policies in the U.S., and twentieth-century wars and occupations in Asia. The course engages Women of Color feminisms, queer theory, and disability studies.

Cross-listed with WGSS498I. For Fall 2024, credit only granted for AAST498G, AAST422, or WGSS498I.

0101	Jennifer Cho TuTh 11:00am - 12:15pm	Seats (Total: 25) TWS 1107

AAST440 South Asian American Literature and Culture

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHU, DVUP

Credit only granted for: AAST440 or AAST498W. Formerly: AAST498W.

Examines writing by South Asian American authors and authors writing about South Asian American issues. It explores major South Asian diaspora themes, considering how migration, war, the events of 9/11, global capitalism, and the changing socio-political and racial scene have affected South Asians in the United States. We will use a transnational approach to consider how writers and filmmakers explore gender, class, religious, caste, and other differences amongst South Asian Americans. We will also examine the place of South Asian Americans in relation to other Asian American populations. We will consider how South Asian American texts disrupt traditional literary classifications based on national identities by reflecting the complex global conditions, imperialistic and capitalistic expansion, and interconnectedness of peoples, nations, and cultures that have transformed American literature and conceptions of American identity.

0101	Binod Paudyal TuTh 2:00pm - 3:15pm	Seats (Total: 17) JMZ 0120

AAST443 Asian American Politics

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHS, DVUP

Cross-listed with: AMST498J, GVPT368C. Credit only granted for: AAST498T, AAST443, GVPT368C or AMST 498J. Formerly: AAST498T.

Students will gain a greater understanding of 1) the role of Asian Americans in US politics, 2) the political attitudes and behaviors of Asian Americans and 3) how to conduct research on Asian American politics. Though the class will concentrate on Asian Americans, issues related to Asian American politics will be examined within the larger context of America's multicultural political landscape.

0101	Janelle Wong	Seats (Total: 30)
	MW 2:00pm - 3:15pm	WDS 1114

AAST498J **Advanced Topics in Asian American Studies; Revolutionary Struggles: History, Theory, Strategy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary Asian American society. Emphasis on the social, political, economic, and behavioral factors affecting Asian Americans and their communities.

0101	La Marr Bruce	Seats (Total: 20)
	W 3:00pm - 5:30pm	TWS 0330

AAST498X **Advanced Topics in Asian American Studies; Techno Orientalism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary Asian American society. Emphasis on the social, political, economic, and behavioral factors affecting Asian Americans and their communities.

This course introduces students to techno-Orientalism and the ways in which Asian Americans (and Asia more broadly) have been interpreted through narratives of technology and futurity. By exploring literature, film, and art, we will consider how race, gender, science, and labor impact how Asian Americans are perceived in the future or even as technologies themselves. Asian American creative responses to techno-Orientalism will also be studied.

0101	Jennifer Cho	Seats (Total: 24)
	TuTh 9:30am - 10:45am	TWS 1107

ABRM Anti-Black Racism Fall 2025

ABRM330 **Introduction to Anti-Black Racism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVUP

Additional information: This interdisciplinary course will consist of two-week modules from key faculty/scholars in College of Behavioral and Social Sciences, College of Arts and Humanities, School of Public Health, School of Public Policy, and College of Education to explore how anti-Black racism operates in society.

This interdisciplinary course seeks to provide a broad overview of this rich and dynamic history. Built around the expertise of top UMD faculty in five colleges, this course will introduce students to the history and legacy of anti-Black racism from the perspective of multiple disciplines. In this course you will examine the development, spread, and articulations of anti-Black racism in the United States.

0101	Rashawn Ray, Jeanette Snider	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	ASY 1213

AGNR Agriculture and Natural Resources Fall 2025

AGNR200 **AGNR 2+2 Program Extended Orientation Seminar**

Credits: 1 Grading Method: Regular

Prerequisite: Must be a first semester international student enrolled in the AGNR 2+2 Program. Restriction: Must be a first year international student enrolled in the College of Agriculture and Natural Resources 2+2 Program. Additional information: It is strongly recommended that AGNR 2+2 students take AGNR 200 during the first semester at the University. One class meeting per week. This courses is initiated by International Programs and will be coordinated in conjunction with the College of AGNR.

Introduces AGNR 2+2 students to University and "American" life. Assists with their successful transition to the College and Agriculture and Natural Resources and the University of Maryland. Helps students to understand their place in AGNR at to learn about the resources available to them.

0101	Ann Leger	Seats (Total: 25)
	M 4:00pm - 5:00pm	Location: TBA

AGNR301 **Sustainability**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Cross-listed with: PLCY301. Credit only granted for: AGNR301, PUAF301, or PLCY301. Formerly: PUAF301.

Designed for students whose academic majors would be enhanced by the complementary study of a widely shared but hard-to-operationalize aspiration: that present choices should preserve or improve future options rather than foreclose or degrade them. How should we understand sustainability? How might we achieve it? How would we know if we had achieved it? And how could sustainability activists of a rising generation lead by example?

0101	Caroline Boules	Seats (Total: 165)
	TuTh 12:30pm - 1:45pm	MMH 1400

AGNR388 **Honors Thesis Research**

(Perm req)

Credits: 3-6 Grading Method: Regular

Undergraduate honors thesis research conducted under the direction of an AGNR faculty member in partial fulfillment of the requirements of the College of AGNR Honors Program. The thesis will be defended to a faculty committee.

0101	Joseph Sullivan Contact instructor or department for details.	Seats (Total: 5)

AGNR499 **Special Problems; Special Problems**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

0102	Joseph Sullivan Contact instructor or department for details.	Seats (Total: 1)

AGST Agricultural Science and Technology Fall 2025

AGST130 **Did Yeast Create Civilization?**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, SCIS

Recommended: CHEM103, CHEM131, CHEM135, or CHEM146. Cross-listed with: PLSC130. Credit only granted for: AGST130 or PLSC130.

Did yeast create civilization? Fermented foods have played a major role in the transition from nomadic to settled agrarian societies, the establishment of social and religious customs, the expansion of empires, and modern economies. To what extent are our past and current attitudes towards fermented foods rooted in historical and cultural imprints? Explore the central role of fermentation in human history and culture, the basic microbiological processes underlying fermentation processes, and the processes used to produce and distribute fermented foods. Find out how the fruits, grains, and dairy products used to produce fermented foods are grown and selected. Students will learn about the development and modern use of fermented dairy products, pickles, bread, tea, chocolate, wine, beer, distilled liquors, and pharmaceutical/manufactured products.

This course is not hands-on and does not teach how to ferment food.

0101	Wendy Peer Class time/details on ELMs	Seats (Total: 27) ONLINE
0102	Wendy Peer Class time/details on ELMs *For Fermentation Science (01131) Majors only.*	Seats (Total: 5) ONLINE

AGST312 **Viticulture and Enology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PLSC100 or PLSC110 and PLSC111; or PLSC101 orPLSC112 and PLSC113; AGST130; CHEM271/272 or by Permission of instructor.

A scientific introduction to viticulture (grape-growing) and enology (wine-making). Topics include grape biology, species and cultivars, vineyard establishment and maintenance, fermentation and aging, wine classification, production, evaluation, storage and service, regulations, wine as food.

0101	Thomas Flores	Seats (Total: 5)	
	TuTh 12:30pm - 1:45pm	ANS 0536	
	Th 2:00pm - 4:50pm	ANS 0536	Lab

AGST333 **Crafty Beverage Crops**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: PLSC110 or PLSC112; or 1 course in BSCI, BCHM, BIOL.

From soda to wine, a scientific introduction to "crafty beverage crops". Students will expand their horticulture knowledge and gain an appreciation for craft beverages and the plants that made them. Topics include history, biology, production and management techniques, harvest, storage and market potential for crafty beverage crops.

0101	Diana Cochran	Seats (Total: 60)	
	Tu 3:30pm - 4:45pm	ONLINE	
	Class time/details on ELMs	ONLINE	

AGST499 **Independent Studies in Agricultural Science and Technology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

An inquiry based learning course with individualized projects designed by student and faculty focused on: research or advanced learning experiences in Agricultural Science and Technology including field, greenhouse, laboratory, educational site, travel abroad and/or library studies. Conducted under the direction of a faculty member.

Contact department for information to register for this course.

AGST630 **Adult and Community Development Education**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: AGNR630 or AGST630. Formerly: AGNR630.

Analyze and learn to apply teaching/learning theory and techniques in adult continuing and community development education with a focus on nonformal contexts. This course will examine the curriculum development process as well as in-person, virtual, and remote instructional techniques and methodologies tailored to adults' learning preferences. Scenarios and examples will involve participatory approaches to solving community development problems.

0101	Colby Silvert Th 9:30am - 12:15pm Class time/details on ELMs	Seats (Total: 24) PLS 2137 ONLINE

AGST699 **Advanced Independent Studies in Agricultural Science and Technology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

An inquiry based learning course with individualized advanced projects designed by graduate student and faculty focused on: research projects in Agricultural Science and Technology including field, greenhouse, laboratory, educational site, travel abroad and/or library studies. Conducted under the direction of a faculty member.

Contact department for information to register for this course.

AGST799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Development of a terminal thesis on a problem in extension education, designed to demonstrate comprehensive skills and knowledge achieved in the graduate program. The subject will be selected in consultation with an advisor and periodically reviewed with a committee headed by the advisor.

Contact department for information to register for this course.

AMSC Applied Mathematics & Scientific Computation Fall 2025

AMSC460 **Computational Methods**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH341, MATH461); and 1 course with a minimum grade of C- from (MATH241, MATH340); and 1 course with a minimum grade of C- from (CMSC106, CMSC131); and 1 course with a minimum grade of C- from (MATH246, MATH341). Cross-listed with: CMSC460. Credit only granted for: AMSC460, AMSC466, CMSC460, or CMSC466.

Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Jonathan Rosenberg MWF 10:00am - 10:50am	Seats (Total: 35) HJP 2242
0201	Tobias von Petersdorff MWF 1:00pm - 1:50pm	Seats (Total: 35) CHE 2118

0301	Ramani Duraiswami MW 3:30pm - 4:45pm	Seats (Total: 35) PHY 2213
0401	Abba Gumel TuTh 2:00pm - 3:15pm	Seats (Total: 35) ESJ B0322

AMSC466 **Introduction to Numerical Analysis I**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail

Prerequisite: 1 course with a minimum grade of C- from (CMSC106, CMSC131); and minimum grade of C- in MATH410. Cross-listed with: CMSC466. Credit only granted for: AMSC460, CMSC460, AMSC466, or CMSC466.

Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

Click here for more course information.

0101	Dionisios Margetis TuTh 9:30am - 10:45am	Seats (Total: 34) MTH 0304

AMSC498A **Selected Topics in Applied Mathematics**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Topics in applied mathematics of special interest to advanced undergraduate students.

Contact department for information to register for this course.

AMSC660 **Scientific Computing I**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Must have knowledge of Matlab or Python. Cross-listed with: CMSC660. Credit only granted for: AMSC660 or CMSC660.

Fundamental techniques in scientific computation with an introduction to theory and software for each topic. Computer numbers and sources of errors, numerical linear algebra, optimization, and Monte Carlo methods.

0101	Deep Ray TuTh 9:30am - 10:45am	Seats (Total: 37) MTH B0421

AMSC673 **Partial Differential Equations I**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: MATH411; or students who have taken courses with comparable content may contact the department. Cross-listed with: MATH673. Credit only granted for: AMSC673 or MATH673.

Analysis of boundary value problems for Laplace's equation, initial value problems for the heat and wave equations. Fundamental solutions, maximum principles, energy methods. First order nonlinear PDE, conservation laws. Characteristics, shock formation, weak solutions. Distributions, Fourier transform.

Offered fall only. Cross-listed with MATH673.

0101	Huy Nguyen	Seats (Total: 18)
	TuTh 9:30am - 10:45am	PHY 4222

AMSC689 **Research Interactions in Applied Mathematics and Scientific Computation**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.

Contact department for information to register for this course.

AMSC698Q **Advanced Topics in Applied Mathematics; The Mathematics of Quantum Information Science**

Credits: 3 Grading Method: Regular, Audit

0101	Konstantina Trivisa	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	MTH 1308

AMSC715 **Numerical Methods for Evolution Partial Differential Equations**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: Permission of instructor; or one graduate level course in partial differential equations or one graduate level course in numerical analysis or scientific computing. Credit only granted for: AMSC612 or AMSC715. Formerly: AMSC612. Additional information: This course continues AMSC 714, but can be taken independently, and is a complement to the graduate courses MATH 673 and MATH 674 in PDEs, AMSC 666 in numerical analysis, and AMSC 660 and AMSC 661 in scientific computing.

Topics include: Heat and wave equations: maximum principle, energy methods and Sobolev spaces, finite difference and finite element methods, von Neumann analysis, stability and error estimates;Linear first order PDEs: upwinding and monotone schemes, finite difference, finite volume, and discontinuous Galerkin methods; Nonlinear conservation laws: weak solutions and entropy conditions,monotone methods.

Click here for more course information.

0101	Eitan Tadmor	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	PHY 4222

AMSC760 **Applied Statistics Practicum**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have completed one year of graduate study in Applied Statistics. Restriction: Must have approved AMSC760 project proposal.

A semester-long applied statistical project (a minimum 10 hours per week or 120 hours in total), in an internship or collaborative research-laboratory setting working on a substantive applied quantitative project with significant statistical content. One option for the collaborative project is training in statistical consulting, with activities consisting of training and role-playing sessions with the Course Instructor coupled with actual non-paid short-term consulting sessions with campus graduate student and faculty clients about statistical aspects of their research.

0101	Radu Balan	Seats (Total: 10)
	Contact instructor or department for details.	

AMSC762 **Data Analysis Project**

(Perm req)

Credits: 1 Grading Method: Regular

Restriction: Permission of CMNS-Applied Mathematics department; and permission of instructor.

This course cannot be used to meet any of the Applied Statistics Area's seminar requirements. Offered yearly, required of and limited to MS non-thesis and doctoral students in Applied Statistics Area, for whom the resulting projects serve as a Qualifying Exam component. After 5-6 lectures or presentations on components of successful data analyses and write-ups, 3-4 sessions will discuss previous student project submissions. The culminating project, to be completed in a two week period between semesters, is an analysis and written report of one of three project choices made available each year to represent a spectrum of realistic applied statistical problems.

0101	Radu Balan	Seats (Total: 15)
	Contact instructor or department for details.	

AMSC763 **Advanced Linear Numerical Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: AMSC666 or CMSC666; or permission of instructor. Cross-listed with: CMSC763. Credit only granted for: AMSC600, AMSC763, CMSC760, or CMSC763. Formerly: AMSC600 and CMSC760.

Advanced topics in numerical linear algebra, such as dense eigenvalue problems, sparse elimination, iterative methods, and other topics.

0101	Haizhao Yang	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	PHY 1219

AMSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

AMSC808A **Advanced Topics in Applied Mathematics**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

Contact department for information to register for this course.

AMSC808N **Advanced Topics in Applied Mathematics; Numerical Methods for Data Science and Machine Learning**

Credits: 1-3 Grading Method: Regular, Audit, Sat-Fail

Advanced topics of current interest.

0101	Maria Cameron	Seats (Total: 40)
	MWF 10:00am - 10:50am	PHY 0405

AMSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Sat-Fail

Contact department for information to register for this course.

AMSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

AMST American Studies Fall 2025

AMST101 **Introduction American Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO, D General Education: DSHU, DVUP

Credit only granted for: AMST101 or AMST201. Formerly: AMST201.

Introduces students to the interdisciplinary field of American Studies by examining concepts such as culture, identity, cultural practices, and globalization, as well as theories underlying these concepts. Engages key themes, especially constructions of difference and identity, cultures of everyday life, and America and the world.

0101	Nancy Mirabal	Seats (Total: 15)	
	MW 11:00am - 11:50am	TWS 0320	
	F 9:00am - 9:50am	TWS 0134	Discussion

0102	Nancy Mirabal MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 15) TWS 0320 TWS 0134	Discussion
0103	Nancy Mirabal MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 15) TWS 0320 TWS 0134	Discussion
0104	Nancy Mirabal MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 15) TWS 0320 TWS 0134	Discussion
FC01	Jessica Rucker F 10:00am - 11:15am Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 20) ARC 1105 ONLINE	Discussion

AMST203 Popular Culture in America

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU, DVUP

An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society.

0101	Jasmin Pineda MW 11:00am - 12:15pm	Seats (Total: 20) TWS 0134	
FC01	Nina Versenyi F 1:00pm - 2:15pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 20) TWS 0330 ONLINE	Discussion
FCW1	Hannah Brancato F 11:30am - 12:45pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 20) ONLINE ONLINE	Discussion

AMST204 Film and American Culture Studies

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU, DVUP

Exploration of the American film from a historical perspective, illustrating the motion picture's role as an institutional phenomenon, as a form of communication, and as a source of cross-cultural study.

0101	Susan Pramschufer	Seats (Total: 35)	
	TuTh 9:30am - 10:45am	ASY 3207	

AMST205 **American Material Culture: The Study of People, Places, and Things**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU, DVUP

Historical survey of American material culture. Ways of describing and interpreting accumulated material evidence (e.g., buildings, town plans) introduced by stressing relationship between artifact and culture.

FC01	Carla Thomas McGinnis	Seats (Total: 20)	
	F 2:30pm - 3:15pm Class time/details on ELMs	TWS 0134 ONLINE	Discussion
	Restricted to students in Freshmen Connection.		
FC02	Grace Kwon	Seats (Total: 20)	
	F 9:30am - 10:45am Class time/details on ELMs	TWS 0330 ONLINE	Discussion
	Restricted to students in Freshmen Connection.		

AMST260 **American Culture in the Information Age**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, SCIS

Credit only granted for: AMST260 or AMST298I. Formerly: AMST298I.

Examines the ways in which content and form of public information interact with the culture, families & individuals.

0101	Jason Farman	Seats (Total: 60)
	TuTh 4:30pm - 5:45pm	TWS 0320

AMST298C **Introduction to Asian American Studies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D | General Education: DSHS, DVUP

Cross-listed with: AAST200. Credit only granted for: AAST200 or AMST298C.

The aggregate experience of Asian Pacific Americans, from developments in the countries of origin to their contemporary issues. The histories of Asian Pacific American groups as well as culture, politics, the media, and stereotypes, viewed from an interdisciplinary perspective.

0101	Binod Paudyal	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	TWS 0205

AMST298Q **U.S. Latinx Literature and Culture**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HO, D	General Education: DSHU, DVUP

Cross-listed with: ENGL235. Credit only granted for: ENGL235 or AMST298Q.

Examines the poetry, prose, and theater of Latinx communities in the United States from their origins in the Spanish colonization of North America to their ongoing development in the 21st century. Considers how authors use literary form to gain insight into human experience, including mortality, religious belief, gender and sexuality, war and peace, family, language use, scientific inquiry, cultural tradition, ecology, and labor. Also studies how Latinx literary traditions have shaped and been shaped by broader currents in American literature, as well as what connections exist between Latinx literature and social and artistic developments in other parts of the world, particularly Latin America and the Caribbean. Authors may include Alvar Nunez Cabeza de Vaca, Eulalia Perez, Juan Nepomuceno Seguin, Maria Amparo Ruiz de Burton, Jose Marti, Arthur A. Schomburg, Jesus Colon, Julia de Burgos, Cesar Chavez, Ariel Dorfman, Gloria Anzaldua, Junot Diaz, and Cristina Garcia.

0101	Lindsay Bernal MW 5:00pm - 6:15pm	Seats (Total: 30) TWS 0221

AMST315 **Religion in American Culture**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit

Recommended: AMST101. Credit only granted for: AMST315 or AMST328R. Formerly: AMST328R.

Introduces students to the world's major religious traditions and examines how American culture informs, and is informed by, the variety of religious beliefs and practices in the U.S. This course is primarily concerned with religion as a system of meaning. The focus of the course is not on the history of religion or on analysis of religious texts, but rather on the meaning of a religion to its believers.

0101	Asim Ali TuTh 2:00pm - 3:15pm	Seats (Total: 20) TWS 0330

AMST320 **(Dis)ability in American Film**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	General Education: DSHU, DSSP, DVUP

Credit only granted for: AMST320 or AMST328X. Formerly: AMST328X.

Explores the connection between film and disability through an analysis of independent and mainstream American films in various film genres. Specifically, we will consider how these film representations reflect and/or challenge the shifting social perspectives of disability over the 20th and 21st centuries. Beginning with the presentation of disability as theatrical spectacle in the traveling sideshow and early cinema, we will work our way through film history to develop an understanding of our society's complicated relationship with disability.

0101	Susan Pramschufer	Seats (Total: 19)
	TuTh 11:00am - 12:15pm	ARC 1125

AMST323 **Filipino American History and Biography**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHS, DVUP

Cross-listed with: AAST363. Credit only granted for: AAST363, AMST323, AAST398D, or AMST328J. Formerly: AAST398D.

Focus is placed on Filipino American experiences with an emphasis on identity, community building and organizing to influence public policy We will cover pertinent events from the US and Philippine history in order to understand the impact of colonialism, migration, immigration and assimilation on Filipino Americans.

0101	Gemirald Daus	Seats (Total: 35)
	Tu 5:00pm - 7:30pm	TYD 0111

AMST324 **Growing Up Asian American: The Asian Immigrant Family and the Second Generation**

Credits: 3 | Grading Method: Regular | General Education: DVCC

Cross-listed with: AAST394, IMMR394. Credit only granted for: AAST394, AAST398E, AMST324, AMST328V, IMMR319G or IMMR394. Formerly: AAST398E.

An interdisciplinary course examines the experiences of children of Asian immigrants in the U.S., focusing on intergenerational dynamics in the Asian immigrant family, their intersections with race, gender, class, sexuality, and religion, and how these shape second-generation Asian American life. Topics include identity and personhood, the model minority myth and education, work and leisure, language and communication, filiality and disownment, mental health and suicide.

0101	Wenxi Yang	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 1120

AMST328Q **Indigenous Feminisms**

Credits: 3 | Grading Method: Regular

Cross-listed with: WGSS330. Credit only granted for: WGSS379I, WGSS330, AMST328Q. Formerly: WGSS379I Special Topics in WGSS Indigenous Feminisms.

Students will engage with scholarship concerning Indigenous conceptions of gender, sexuality, family, and governance. In each unit, participants will study traditional practices, conceptions, and expressions of Indigenous feminisms; identify the disruptive tactics of settler colonialism, centering the resilience and resurgence of Indigenous communities. In a collaborative "pod" framework, students will engage in discussions and projects throughout the term. By the end of the course, students will craft a creative project reflecting their insights and intended contribution to Indigenous feminist movements. Key focal points include the deep dive into traditional conceptions of gender, the impact of colonial interventions, the complexities of Indigenous sexualities, familial adaptations under colonial strain, Indigenous governance, and Indigenous-led resistance and reclamation such as pipeline protests, protection of sacred Mauna Kea, and the MMIW movement.

Cross-listed with WGSS330. Credit will be only granted for WGSS330 or AMST328Q.

0101	Shelbi Meissner	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	SQH 1101

AMST328V **Perspectives on Identity and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Analysis of the cultural aspect of identity formation and the role of individual or community identities in cultural production. Examination of cultural texts such as film, literature, fashion, artifacts, archival records, architecture, monuments, sports, and paintings.

Cross-listed with: AAAS398W and USLT398B. Credit only granted for: AAAS398W, AMST328V, or USLT398B.

0101	Jason Nichols	Seats (Total: 25)
	W 3:00pm - 5:30pm	BPS 1232

AMST328W **Asian Americans in Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, DVUP

Cross-listed with: AAST355. Credit only granted for: AAST355, AAST398L or AMST328W. Formerly: 398L.

Explores how Asian Americans have historically been represented in the U.S. by Hollywood, and in turn, how independent and Hollywood Asian American filmmakers have represented themselves. It covers the history of racial, gendered, and sexualized representations of Asian Americans in Hollywood, as well as Asian American filmic responses within and outside Hollywood. It also introduces how four basic tools of film analysis mise-en-scene, cinematography, editing and sound work together to create meaning in moving images. It examines how these elements are put together in three different types of films by Asian American filmmakers: narrative, documentary, and experimental. How films function in society to circulate ideas that reproduce and challenge stereotypes about Asian Americans.

0101	Jennifer Cho	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	TWS 0223

AMST328Y **Perspectives on Identity and Culture; A Hundred Silent Springs: Environmental Justice History in the Americas, 1862-1962**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Analysis of the cultural aspect of identity formation and the role of individual or community identities in cultural production. Examination of cultural texts such as film, literature, fashion, artifacts, archival records, architecture, monuments, sports, and paintings.

Cross listed with HIST338L. Credit only granted for AMST328Y or HIST338L. Through a focus on the history of agrochemicals-fertilizers and pesticides-this course traces the development of industrial agriculture and its impact from 1863 to 1962. Through influential case studies in "pest control" such as, arsenic and cotton, fumigants and fruit trees, and locusts epidemics, this course combines histories of race, abolition, plants, technology, and empire.

0101	Jayson Porter	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	TWS 0207

AMST340 **Introduction to History, Theories and Methods in American Studies**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have completed AMST201; and 2 courses in AMST. Restriction: Must be in American Studies program; and sophomore standing or higher.

Introduction to the process of interdisciplinary research, including research literatures, questions, first-hand sources and library and analytic methods in American Studies. Each student will craft a prospectus for original research.

0101	Jamila Moore-Pewu	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TWS 0330

AMST386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of ARHU-American Studies department; and junior standing or higher.

0401	Asim Ali	Seats (Total: 10)
	Contact instructor or department for details.	

AMST388 **Honors Thesis**

(Perm req)

Credits: 3 Grading Method: Regular

Individual research, thesis and oral defense. The research project will be conducted under the supervision of a faculty member.

Contact department for information to register for this course.

AMST398 **Independent Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular

Provides the student with the opportunity to pursue independent, interdisciplinary research and reading in specific areas of American culture studies.

Contact department for information to register for this course.

AMST412 **Inventing (and Reinventing) Whiteness: The Origins, Transformations, and Future of Race in the US**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: AAAS202 or AAAS100. Cross-listed with: AAAS412. Credit only granted for: AAAS412, AASP412 or AMST412. Formerly: AASP412.

This course will study the historical origins of whiteness, its transformations over time, and the role it has played (and continues to play) as an organizing force of political, economic, cultural, and domestic life within America. Further, this course will draw on critical intellectual traditions within African American and Africana Studies in order to imagine the future(s) of race, including abolitionist futures where democratic modes of social organization challenge, displace, and undo racialized hierarchies.

0101	Robert Choflet	Seats (Total: 25)
	Tu 3:30pm - 6:00pm	WDS 0104

AMST418H **Cultural Themes in America; Cultural Themes in America-Honors**

(Perm req)

Credits: 3 Grading Method: Regular

Examination of structure and development of American culture through themes such as "growing up American," "culture and mental disorders," "race," "ethnicity," "regionalism," "landscape," and "humor."

Prerequisite: At least three credit hours of prior coursework in AMST.

Contact department for information to register for this course.

AMST498C **Special Topics in American Studies; Central Americans and the United States: Culture, Politics, and Community**

Credits: 3 Grading Method: Regular

Topics of special interest.

Cross-listed with USLT450. Credit only granted for AMST498C or USLT450. With attention to history, memory, politics, and culture, this course examines the relationships, conflicts, and exchanges of people and powerbetween the United States and the Central American isthmus. We will investigate the role of the US government and military, as well as US corporate interests and US-backed dictatorships, in the culture, politics, and economy of nations including El Salvador, Nicaragua, Guatemala, and Honduras. Through literature, feature films, documentary films, theatre,poetry, and other mediums, the class will analyze responses to this history in Central American cultural productions originating both from the isthmus and from Central Americans living in the United States.In addition to US interventions in the Americas, the course will examinemigration from Central America to North America and will concludeby exploring thelives and activities of Central Americans living in the USA.

0101	Robert Chester	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	TWS 0134

AMST498D **Special Topics in American Studies; Black Women in Twentieth Century America**

Credits: 3 Grading Method: Regular, Pass-Fail

Topics of special interest.

Cross-listed with HIST319X, WGSS379J, and AASP398J. Credit only granted for HIST319X, WGSS379J, AMST498D, or AASP398J. Traces twentieth-century United States history from the perspective of Black women. We will center their diverse voices and experiences as we explore themes including family, work, activism, and cultural expression.

0101	Leigh Soares	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TLF 1103

AMST498J **Asian American Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, DVUP

Cross-listed with: AAST443, GVPT368C. Credit only granted for: AAST498T, AAST443, GVPT368C or AMST 498J. Formerly: AAST498T.

Students will gain a greater understanding of 1) the role of Asian Americans in US politics, 2) the political attitudes and behaviors of Asian Americans and 3) how to conduct research on Asian American politics. Though the class will concentrate on Asian Americans, issues related to Asian American politics will be examined within the larger context of America's multicultural political landscape.

0101	Janelle Wong	Seats (Total: 30)
	MW 2:00pm - 3:15pm	WDS 1114

AMST498K **Special Topics in American Studies; Senior Seminar Tenderness in Black Expressive Culture**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Topics of special interest.

Using a Black cultural studies approach to affect theory, a field of scholarship dedicated to the humanistic study of feeling, students will engage art that prioritizes a lesser known definition of tenderness, e.g. the sensitivity from a prior wound. Throughout the semester, we will read fiction, legal documents, lyrics, poetry, prose, and theory; listen to Black music, podcasts, and interviews; and watch documentary, film, and music videos. Questions to explore include, what is tenderness? What is affect theory s relationship to gender, race, and sexuality? What qualities of Black/queer life come into focus when artists subvert assumptions of their (in)capacity? What do they risk when uncommon forms of tenderness resist racial/gender norms and deviate from what is deemed respectable?

0101	Will Mosley	Seats (Total: 15)
	Tu 3:30pm - 6:15pm	SQH 4116

AMST498Q **Special Topics in American Studies; Revolutionary Struggles: History, Theory, Strategy**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Topics of special interest.

This course is a gathering place and thought laboratory for people passionate about activism, community organizing, movement building, social transformation, and struggles for liberation. We will read movement manifestoes, theories and histories of revolutionary struggles,mission statements of social justice organizations, and (auto)biographies of leaders. We will also watch and listen to protest footage and protest music. The curriculum spans Abolitionism, Civil Rights, Second-Wave Feminism, Black Power, Indigenous Sovereignty, Gay Liberation, Anti-Colonialism, Anti-Fascism, Reproductive Justice, Environmental Justice, Anti-Apartheid, Occupy, Arab Spring, Black Lives Matter, Palestine Solidarity, and more--emphasizing the roles of young people and students. Throughout, wewill chart the histories of these movements; theorize their characteristics; assess their strengths and shortcomings; and hone our own strategies forcollective resistance and liberation.

0101	La Marr Bruce	Seats (Total: 20)
	W 3:00pm - 5:30pm	TWS 0330

AMST601 **Introductory Theories and History in American Studies**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must not be a Graduate Advanced Special Student.

Explores the formative literature, theories, research approaches, and history of American Studies.

0101	Bayley Marquez	Seats (Total: 10)
	W 4:00pm - 6:40pm	TWS 0134

AMST628R **Seminar in American Studies; The Black Radical Tradition**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

The Black radical tradition is a revolutionary impulse, a refusal of the status quo, a struggle against domination, a drive to dream and make new worlds, and a will to liberation. It emerges from Black life-often amid and against antiblackness. Propelled by this will to liberation, Black people have cultivated radical worldviews, theologies, social movements, political praxes, aesthetic principles, artforms, and ways of life. In this course, we will explore acts and articulations of this centuries-long tradition in life-writing, movement manifestoes, historical accounts, speeches, philosophy, critical theory, fiction, cinema, music, and the Black quotidian. We will study the tradition in its abolitionist, antiracist, pan-Africanist, feminist, anticolonial, anarchist, socialist, queer, futurist, pessimist, and other iterations. Among the questions we will ponder: How might the Black radical tradition provide tools and insights for confronting our current sociopolitical crises? How might we activate and participate in this tradition here and now?

0101	La Marr Bruce	Seats (Total: 12)
	M 4:00pm - 6:40pm	TWS 0330

AMST655 Introduction to Museum Scholarship

Credits: 3 Grading Method: Regular, Audit

Cross-listed with: ANTH655, HIST610, INST653. Credit only granted for: AMST655, ANTH655, HIST610, INST728T or INST653.

Provides students a basic understanding of museums as cultural and intellectual institutions. Topics include the historical development of museums, museums as resources for scholarly study, and the museum exhibition as medium for presentation of scholarship.

0201	Diana Marsh	Seats (Total: 30)
	Th 2:00pm - 4:40pm	HJP 2217

AMST698 Directed Readings in American Studies

(Perm req)

Credits: 3 Grading Method: Regular

This course is designed to provide students with the opportunity to pursue independent, interdisciplinary research and reading in specific aspects of American culture under the supervision of a faculty member.

Contact department for information to register for this course.

AMST798 Non-Thesis Research

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

AMST799 Master's Thesis Research

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

AMST857 **Museum Scholarship Practicum**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: AMST856, ANTH856, or HIST810. Restriction: Permission of Museum Scholarship Program required. Cross-listed with: ANTH857, HIST811, INST787. Credit only granted for: AMST857, ANTH857, HIST811, INST728I or INST787.

Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

IM01	Paul Jaeger	Seats (Total: 12)
	Contact instructor or department for details.	

AMST878A **American Studies Pedagogy Mentoring; Mentoring for First Year Teaching in American Studies**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

This course provides graduate teaching assistants with a structured approach to pedagogical content, techniques, and collaborative practices that they learn and then can use throughout their careers. It also commits a core faculty member to teaching pedagogy and makes it possible for the course to become a formal part of one's load.

Prerequisite: permission of department and must be a current AMST teaching assistant.

0101	Bayley Marquez	Seats (Total: 8)
	Contact instructor or department for details.	

AMST878B **American Studies Pedagogy Mentoring; Mentoring for Second Year Teaching in American Studies**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

This course provides graduate teaching assistants with a structured approach to pedagogical content, techniques, and collaborative practices that they learn and then can use throughout their careers. It also commits a core faculty member to teaching pedagogy and makes it possible for the course to become a formal part of one's load.

Prerequisite: permission of department and must be a current AMST teaching assistant.

0101	Bayley Marquez	Seats (Total: 6)
	Contact instructor or department for details.	

AMST878C **American Studies Pedagogy Mentoring; Mentoring for Third Year Teaching in American Studies**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

This course provides graduate teaching assistants with a structured approach to pedagogical content, techniques, and collaborative practices that they learn and then can use throughout their careers. It also commits a core faculty member to teaching pedagogy and makes it possible for the course to become a formal part of one's load.

Prerequisite: permission of department and must be a current AMST teaching assistant.

0101	Bayley Marquez	Seats (Total: 5)
	Contact instructor or department for details.	

AMST898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

AMST899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ANSC Animal Science Fall 2025

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

ANSC101 **Principles of Animal Science**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A comprehensive overview of the application of biology in the care and use of animals that live in close association with humans including food animals, companion animals, lab animals, zoo animals, etc. The role of science in modern food production using animals will be emphasized.

0101	Kristina Mayo	Seats (Total: 156)
	MWF 1:00pm - 1:50pm	ESJ 2208

ANSC103 **Principles of Animal Science Laboratory**

Credits: 1 Grading Method: Regular

Prerequisite: Must have completed or be concurrently enrolled in ANSC101. Restriction: Must be in one of the following programs (Environmental Sci & Pol-Environment & Agriculture; Agricultural and Veterinary Medicine; Agricultural Science and Technology) ; or must be in a major within the AGNR-Animal & Avian Sciences department; or permission of department required for students in other College of AGNR programs.

Laboratory focusing on the application of biology in the care and use of animals that live in close association with humans including livestock and companion animals. Labs will include live animals.

Students must pay a $50.00 laboratory materials fee.

0101	Kristina Mayo M 3:00pm - 4:50pm	Seats (Total: 21) ANS 1144	Lab
0201	Kristina Mayo Tu 2:00pm - 3:50pm	Seats (Total: 21) ANS 1144	Lab
0301	Kristina Mayo W 10:00am - 11:50am	Seats (Total: 21) ANS 1144	Lab
0401	Kristina Mayo W 3:00pm - 4:50pm	Seats (Total: 21) ANS 1144	Lab
0501	Kristina Mayo Th 2:00pm - 3:50pm	Seats (Total: 21) ANS 1144	Lab

ANSC105 **Horse Care Practicum**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: Permission of the instructor. Credit only granted for: ANSC108 or ANSC105. Formerly: ANSC108.

This practicum course provides the opportunity for students to be involved in the routine care of the horses housed at the Campus Farm including grooming, feeding, turnout, first aid, record-keeping, and cleaning. Practical skills are supplemented with online learning.

0101	Karly Bowe, Amy Burk Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 30) ONLINE	

ANSC201 **Anatomy and Physiology of Domestic Animals**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC101, ANSC103, BSCI170, and BSCI171.

The anatomy and physiology of domesticated animals with emphasis on functions related to homeostasis. Students will be developing an ability to think about material in processes. They will also gain experience in scientific writing and data analysis.

0101	Monica VanKlompenberg MWF 1:00pm - 1:50pm Tu 9:30am - 12:20pm	Seats (Total: 20) ESJ 2309 ANS 0108	Lab

0102	Monica VanKlompenberg MWF 1:00pm - 1:50pm W 2:00pm - 4:50pm	Seats (Total: 20) ESJ 2309 ANS 0108	 Lab
0103	Monica VanKlompenberg MWF 1:00pm - 1:50pm Th 12:30pm - 3:20pm	Seats (Total: 20) ESJ 2309 ANS 0108	 Lab

ANSC210 **Veterinary Terminology**

Credits: 1 Grading Method: Regular, Audit

Prerequisite: ANSC204 and ANSC205; or ANSC201. Restriction: Must be a major in Animal Sciences. Additional information: The course is offered on-line through a series of self-paced modules on ELMS.

Students will learn terminology related to the clinical practice of small and large animal medicine including medical record terminology and a systems-based consideration of common practices and pathologies.

0101	Kristina Mayo Class time/details on ELMs	Seats (Total: 80) ONLINE	

ANSC232 **Horse Management**

Credits: 3 Grading Method: Regular

Prerequisite: ANSC101 and ANSC103. Credit only granted for: ANSC232 or ANSC332. Formerly: ANSC332.

An introductory course on the care, management, and use of horses. Major topics include the industry, breeds, conformation, feeding, health, reproduction, facilities and business.

Students must pay a $50.00 lab materials fee.

0101	Amy Burk MW 10:00am - 10:50am F 9:00am - 10:50am	Seats (Total: 20) ANS 0412 ANS 1144	 Lab
0102	Amy Burk MW 10:00am - 10:50am F 2:00pm - 3:50pm	Seats (Total: 20) ANS 0412 ANS 1144	 Lab

ANSC242 **Dairy Cattle Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC101 and ANSC103. Formerly: ANSC240 and ANSC241.

All aspects of dairy production, including nutrition, reproduction, mastitis control, milking management, farmstead facilities, financial management and forage production.

0101	Fabiana De Freitas Cardoso	Seats (Total: 30)	
	MW 11:00am - 11:50am	ANS 0402	
	F 11:00am - 12:50pm	ANS 0402	Discussion

ANSC246 **Beef Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC101 and ANSC103. Additional information: Students will participate in night watches at the campus farm.

Provides an interactive environment for learning and understanding all areas of beef cattle management including hands-on involvement in the birthing process and care of newborn calves on the campus farm. Course topics will include: An introduction to Beef Production, Breeding and Selection, Reproduction, Nutrition, Cattle Health and Diseases, Cattle Behavior, facility design and management, and Careers working in the American Beef industry.

0101	Racheal Slattery	Seats (Total: 16)	
	MW 12:00pm - 12:50pm	ANS 1144	
	Th 9:00am - 10:45am	ANS 1144	Lab

ANSC252 **Introduction to the Diseases of Wildlife**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI105; or (BSCI170 and BSCI171); or permission of AGNR-Animal & Avian Sciences department; or students who have taken courses with comparable content may contact the department.

The principal diseases of North American wildlife will be briefly considered. For each disease, specific attention will be given to the following: signs evidenced by the affected animal or bird, causative agent, means of transmission and effects of the disease on the population of the species involved.

0101	Andrea Aplasca	Seats (Total: 30)	
	Tu 6:00pm - 7:50pm	ONLINE	
	Tu 8:00pm - 8:50pm	ONLINE	Discussion

ANSC255 **Introduction to Aquaculture**

Credits: 3 Grading Method: Regular General Education: DSSP

Prerequisite: ANSC101 and ANSC103; or must have completed an introductory biology course.

Introduces the art and science of rearing aquatic animals and the essential principles of aquaculture. Students receive hands-on training in the methods required for successful husbandry and management of aquatic animals in their water environment.

Students must pay a $50.00 lab materials fee.

0101	Mohamed Salem	Seats (Total: 20)
	TuTh 11:00am - 12:50pm	ANS 1144

ANSC260 **Laboratory Animal Management**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: ANSC101 and ANSC103. Credit only granted for: ANSC260 or ANSC413. Formerly: ANSC413.

A comprehensive course in care and management of laboratory animals. Topics covered include regulations governing the use of animals in research, laboratory animal facility design and management, animal research models, animal health management and husbandry, responsibilities of lab animal workers and career opportunities in the field. Hands-on labs focus on lab animal handling, husbandry and common techniques. Field trips are required, and you must attend a minimum number of field trips which will be held during lab time.

Students must pay a $50.00 lab materials fee.

0101	Angela Black	Seats (Total: 22)	
	MW 10:00am - 10:50am F 8:00am - 11:50am	ANS 0402 Location: TBA	Lab

ANSC314 **Comparative Animal Nutrition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC101 and ANSC103; and (CHEM231, PLSC275 or AGST275).

The fundamental role and implications of dietary preference, gastrointestinal physiology and nutrients in animal nutrition. Biochemical roles of nutrients in metabolism, digestion, absorption and assimilation as it relates to various life processes.

Offered fall only.

0101	Nishanth Sunny	Seats (Total: 88)
	MWF 9:00am - 9:50am	ANS 0408

ANSC359 **Internship Experience in Animal and Avian Sciences**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail General Education: DSSP

Experiential learning is a key component in an animal science education. Through the internship program, you will have the opportunity to develop your expertise in a specific species and discipline within the animal science curriculum. You will arrange an on- or off-campus internship experience related to animal science. You will spend a specified number of hours at the internship site each week and attend biweekly classroom sessions where we will discuss how the study of animal science fits into your specific internship experience as well as understand how to achieve each of the course learning outcomes.

Prerequisite: ANSC220, ANSC232, ANSC242, ANSC250, ANSC255, ANSC260, or ANSC262.
Restriction: Must be in a major within the AGNR-Animal & Avian Sciences department; and permission of instructor.

0101	Monica VanKlompenberg Tu 3:30pm - 5:30pm	Seats (Total: 22) ANS 0402
0102	Monica VanKlompenberg M 2:00pm - 2:50pm	Seats (Total: 22) ANS 0108

ANSC388 **Honors Thesis Research**

Credits: 3-6 Grading Method: Regular

Undergraduate honors thesis research conducted under the direction of an AGNR faculty member in partial fulfillment of the requirements of the College of AGNR Honors Program. The thesis will be defended to a faculty committee.

2001	Lisa Taneyhill Contact instructor or department for details.	Seats (Total: 5)
3201	Andrew Broadbent Contact instructor or department for details.	Seats (Total: 5)
4501	Tom Porter Contact instructor or department for details.	Seats (Total: 5)
9102	Andrew Schiffmacher Contact instructor or department for details.	Seats (Total: 5)

ANSC389 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Contact department for information to register for this course.

ANSC399 **Special Problems in Animal Science**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Work assignments are designed to be proportional to the amount of credit. Students are expected to develop an abstract, fact sheet, manuscript, oral presentation, poster, webpage, journal-log, or other scholarly product associated with their study and/or project.

Contact department for information to register for this course.

ANSC436 Animal Health Policy and Communication

Credits: 3 Grading Method: Regular, Pass-Fail

Recommended: Completion of ANSC225 and ANSC340 recommend. Restriction: Must be in a major within the AGNR-Animal & Avian Sciences department; or permission of AGNR-VA-MD Regional COL Veterinary Med. Cross-listed with: VMSC436. Credit only granted for: ANSC489A, ANSC436, or VMSC436. Formerly: ANSC489A.

Intended for upper level students in Veterinary Medicine or Animal Science as well as other students who are interested in understanding how science and politics interact and influence animal health policy and how veterinarians and animal scientists can effectively communicate science to non-scientists such as legislators and policymakers.

0101	Alix Berglund	Seats (Total: 30)
	TuTh 9:30am - 10:45am	ATL 2416

ANSC437 Animal Biotechnology

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC327; or students who have taken courses with comparable content may contact the department.

Key concepts and current issues in animal biotechnology are covered. Current techniques and applications systems as well as social, ethical, and regulatory issues associated with biotechnology will be discussed.

0101	Andrew Schiffmacher	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	CCC 1111

ANSC446 Physiology of Mammalian Reproduction

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC212, ANSC201 or BSCI440.

Provides an in-depth examination of reproductive anatomy and physiology in domesticated livestock species, emphasizing the biological mechanisms and management strategies that influence reproductive efficiency. Students will explore the endocrine regulation of reproduction, assisted reproductive technologies, and factors affecting fertility, pregnancy, parturition, and lactation. The course integrates scientific principles with practical applications in animal agriculture, preparing students to evaluate and apply reproductive management techniques in livestock production systems.

0101	Emilia Przygrodzka, Heewon Seo TuTh 2:00pm - 3:15pm	Seats (Total: 60) ANS 0408	

ANSC447 **Physiology of Mammalian Reproduction Laboratory**

(Perm req)

Credits: 1 Grading Method: Regular

Prerequisite: Must have completed or be concurrently enrolled in ANSC446.

Gross and micro-anatomy, artificial insemination, estrous cycle synchronization and invitro-fertilization procedures and analytical techniques useful in animal management and reproduction.

Students must pay a $50.00 laboratory materials fee.

0101	Heewon Seo, Emilia Przygrodzka F 1:00pm - 2:50pm	Seats (Total: 20) ANS 0108	Lab
0102	Heewon Seo, Emilia Przygrodzka F 11:00am - 12:50pm	Seats (Total: 20) ANS 0108	Lab

ANSC450 **Animal Breeding Plans**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC101; and 1 course with a minimum grade of C- from (MATH120, MATH136, MATH140, or BIOM301). Restriction: Junior standing or higher.

Design of animal breeding programs for the genetic improvement of livestock and companion animal species. Principles of population and quantitative genetics. Genetic evaluations of animals, selection strategies and crossbreeding systems. Incorporation of statistics and biotechnology into animal breeding plans.

0101	Monica VanKlompenberg MWF 3:00pm - 3:50pm	Seats (Total: 32) ANS 0422	

ANSC454 **Nutritional Aspects of Metabolic Disease**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131 and ANSC101, or BSCI170; or students who have taken courses with comparable content may contact the department. Credit only granted for: ANSC4890 or ANSC454. Formerly: ANSC489O.

Biochemical and physiological fundamentals of nutrition. Discussion of protein, fat,carbohydrate, minerals and vitamins and their roles and interrelationships innutrition, metabolism and diseases in humans and animals. The course will use recommended texts for foundation material as well as research papers to provide in-depth coverage and illustrate emerging themes in metabolic aspects of nutrition and disease.

0101	Byung-Eun Kim	Seats (Total: 22)	
	TuTh 9:30am - 10:45am	ANS 0402	

ANSC455 **Applied Animal Behavior**

Credits: 3 Grading Method: Regular

Prerequisite: ANSC101 and ANSC103; or BSCI106; or (BSCI160 and BSCI161).

Principles of animal behavior applied to production systems in animal agriculture.

Offered fall only.

0101	Kristina Mayo	Seats (Total: 60)	
	MW 12:00pm - 12:50pm	ESJ 1215	
	F 11:00am - 12:50pm	ANS 0408	Lab

ANSC460 **Comparative Vertebrate Immunology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC212, ANSC201, BSCI201, or BSCI440.

Basic concepts in immunology, and comparing immunity in different vertebrates, including organization of immune systems, innate and adaptive immune responses. Special attention will be paid to how cell-mediated and humoral immune responses are induced in natural infections, and what are the effector mechanisms in both of these processes. Immune response in representative disease models such as infections with viruses and bacteria, cancer, and autoimmune disease will be discussed. Lectures concerning cutting-edge research will also be given.

0101	Zhengguo Xiao	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	ANS 0412

ANSC624 **Recent Advances in Animal and Avian Sciences**

Credits: 1 Grading Method: Regular

Restriction: Must be an Animal Sciences graduate student. Credit only granted for: ANSC698C or ANSC624. Formerly: ANSC698C.

Seminar course in advanced animal science research.

0101	Tom Porter	Seats (Total: 25)
	Tu 3:30pm - 4:45pm	ANS 0408

ANSC625 **Developing Presentation Skills**

Credits: 1 Grading Method: Regular

Restriction: Must be an Animal Sciences graduate student. Credit only granted for: ANSC625 or ANSC698D. Formerly: ANSC698D.

Seminar designed to teach oral presentation skills for animal science students.

0101	Richard Kohn	Seats (Total: 20)	
	Tu 3:30pm - 4:45pm	ANS 0408	
	Th 3:30pm - 4:45pm	ANS 0408	Discussion

ANSC660 **Poultry Literature**

Credits: 1-4 Grading Method: Regular, Audit

Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.

Contact department for information to register for this course.

ANSC688O **Special Topics; Nutritional Aspects of Metabolic Disease**

Credits: 3 Grading Method: Regular, Audit

Lectures, experimental courses, and other special subjects in the fields of animal sciences and veterinary medicine.

0101	Byung-Eun Kim	Seats (Total: 8)
	TuTh 9:30am - 10:45am	ANS 0402

ANSC699 **Special Problems in Animal Science**

(Perm req)

Credits: 1-2 Grading Method: Regular, Audit

Work assigned in proportion to amount of credit. Prerequisite: approval of staff. Problems will be assigned which relate specifically to the character of work the student is pursuing.

Contact department for information to register for this course.

ANSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ANSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ANSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ANTH210 **Introduction to Medical Anthropology and Global Health**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	General Education: DSHS, DVUP

An introduction to the central concepts in medical anthropology and the anthropology of global health. This course is a survey of anthropological notions of health, disease, and the body in cross-cultural and global contexts, including classic and contemporary texts. It will provide an examination of systems of knowledge and practice with regard to illness, healing, and global health inequities.

0101	Andrea Lopez TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) TMH 0301 WDS 1131	Discussion
0102	Andrea Lopez TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) TMH 0301 WDS 1131	Discussion
0103	Andrea Lopez TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) TMH 0301 WDS 1131	Discussion
0104	Andrea Lopez TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) TMH 0301 WDS 1131	Discussion
0105	Andrea Lopez TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) TMH 0301 WDS 1131	Discussion
0106	Andrea Lopez TuTh 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) TMH 0301 WDS 1131	Discussion

ANTH222 **Introduction to Ecological and Evolutionary Anthropology**

Credits: 4	Grading Method: Regular, Pass-Fail, Audit	CORE: LL	General Education: DSNL, DVUP

Credit only granted for: ANTH220 or ANTH222.

An introduction to the evolution of human physiology and human behavior, the relationship between hominid and non-hominid primates, and the study of relationships between a population of humans and their biophysical environment.

0101	Miguel Vilar TuTh 9:30am - 10:45am M 8:00am - 10:00am	Seats (Total: 20) TMH 0301 WDS 0124B	Lab
0102	Miguel Vilar TuTh 9:30am - 10:45am M 11:00am - 1:00pm	Seats (Total: 20) TMH 0301 WDS 0124B	Lab
0103	Miguel Vilar TuTh 9:30am - 10:45am M 2:00pm - 4:00pm	Seats (Total: 20) TMH 0301 WDS 0124B	Lab
0104	Miguel Vilar TuTh 9:30am - 10:45am W 8:00am - 10:00am	Seats (Total: 20) TMH 0301 WDS 0124B	Lab
0105	Miguel Vilar TuTh 9:30am - 10:45am W 11:00am - 1:00pm	Seats (Total: 20) TMH 0301 WDS 0124B	Lab
0106	Miguel Vilar TuTh 9:30am - 10:45am W 2:00pm - 4:00pm	Seats (Total: 20) TMH 0301 WDS 0124B	Lab

ANTH240 **Introduction to Archaeology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D | General Education: DSHS, DVUP

Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.

0101	Stephen Brighton MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 20) TWS 1310 WDS 1102	Discussion
0102	Stephen Brighton MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) TWS 1310 WDS 1102	Discussion
0103	Stephen Brighton MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 20) TWS 1310 WDS 1102	Discussion

FC01	Kyla Cools MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) ASY 3215	

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D | General Education: DSHS, DVUP

Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

0101	Cady Gonzalez TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 19) ASY 2309 WDS 1102	Discussion
0102	Cady Gonzalez TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 19) ASY 2309 WDS 1102	Discussion
0103	Cady Gonzalez TuTh 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 19) ASY 2309 WDS 1102	Discussion

ANTH265 **Anthropology of Global Health**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DVUP, SCIS

An overview of the growing field of global health including health care systems, medical practices, ideas about illness in cross-cultural contexts, issues of health development, global health inequity, and human rights issues. The course will focus on the history of global health, the critique of major international health agencies and their development paradigms, and the political economy of social inequalities and health.

0101	Ampson Hagan MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 18) TWS 0320 ASY 1213	Discussion
0102	Ampson Hagan MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 18) TWS 0320 ASY 1213	Discussion

0103	Ampson Hagan MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 18) TWS 0320 ASY 1213	Discussion
0104	Ampson Hagan MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 18) TWS 0320 ASY 1213	Discussion
0105	Ampson Hagan MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 18) TWS 0320 ASY 1213	Discussion
0106	Ampson Hagan MW 10:00am - 10:50am F 2:00pm - 2:50pm	Seats (Total: 18) TWS 0320 ASY 1213	Discussion
FC01	Emilia Guevara TuTh 3:00pm - 4:15pm Contact instructor or department for details. *Restricted to students in Freshmen Connection.*	Seats (Total: 30) TWS 0236	

ANTH266 **Changing Climate, Changing Cultures**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DVCC, SCIS

Explore past, present, and future interactions between humans and climate. Discussions, methods-oriented activities, and case study analyses provide students a foundation for appreciating the role of anthropology in understanding, responding to, and preparing for climate change.

FC01	Salvador Valdez-Ono Th 7:30pm - 8:45pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 35) SQH 1121 ONLINE	

ANTH305 **Archaeological Methods and Practice**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHS

Prerequisite: ANTH240, ARTH200, CLAS180, or CLAS190. Cross-listed with: ARTH305, CLAS305, JWST319Y. Credit only granted for: ANTH305, ARTH305, CLAS305, or JWST319Y.

A team-taught, interdisciplinary course discussing theories, methods, and ethical issues in the practice of archaeology.

0101	George Hambrecht	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	KEY 0126

ANTH310 **Method & Theory in Medical Anthropology and Global Health**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, DVUP

Prerequisite: ANTH210. Jointly offered with ANTH665. Credit only granted for: ANTH310, ANTH465, or ANTH665. Formerly: ANTH465.

Provides a critical perspective to global health that encompasses key political, economic, and cultural factors associated with the nature and magnitude of global health issues such as HIV/AIDS, tuberculosis and malaria, paying particular attention to how poverty and inequalities within and between societies has accelerated current global health challenges. Introduces students to how medical anthropologists have contributed to the debates surrounding the globalization of health.

0101	Emilia Guevara	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMZ 3205

ANTH322 **Method and Theory in Ecological Anthropology**

Credits: 3 | Grading Method: Regular

Prerequisite: ANTH220 or ANTH222. Restriction: Must be in a major within the BSOS-Anthropology department. Credit only granted for: ANTH320, ANTH322, ANTH425, or ANTH625.

A theoretical consideration of ecological anthropology, focusing on issues related to cooperation, the management of common property, resilience, and sustainability. Explores the methods of sociocultural anthropology, including ethnology, evolutionary game theory and agent-based modeling; and natural-science approaches including behavioral and systems ecology.

0101	L Jen Shaffer	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	WDS 1114

ANTH323 **Plagues, Pathogens and Public Policy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

Credit only granted for: ANTH429A or ANTH323. Formerly: ANTH429A.

The impact of diseases on populations from prehistoric times through the present will be examined, along with public perceptions of disease, scientific breakthroughs on treatment and prevention, and the ways that politics and public health policies can enhance or impede the advancement of disease treatment. The natural history of disease, population structure, and immunity will be discussed. The class will address emerging and re-emerging diseases and the ways that first responders, researchers, and policy makers may affect the outcome of an outbreak.

FC01	Emilia Guevara	Seats (Total: 30)
	TuTh 4:30pm - 5:45pm	TWS 0236
	Restricted to students in Freshmen Connection.	

ANTH340 **Method and Theory in Archaeology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANTH240. Restriction: Must be in Anthropology program; or permission of BSOS-Anthropology department.

Theory, method, and practice which guides modern anthropological archaeology. Includes research design and execution (from survey through excavation and interpretation), the reconstruction of aspects of past cultures, and the understanding of cultural change and meaning.

0101	Paul Shackel	Seats (Total: 30)
	MW 11:00am - 12:15pm	WDS 0104

ANTH358A **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Archaeology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Individual instruction course: contact department or instructor to obtain section and index numbers.

Contact department for information to register for this course.

ANTH358B **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Bio-Anthropology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Individual instruction course: contact department or instructor to obtain section and index numbers.

Contact department for information to register for this course.

ANTH358C **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Cultural Anthropology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Individual instruction course: contact department or instructor to obtain section and index numbers.

Contact department for information to register for this course.

ANTH386 **Experiential Learning**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail

Recommended: Completion of advanced courses in relevant subfield of anthropology recommended. Restriction: Permission of BSOS-Anthropology department; and junior standing or higher; and must be in Anthropology program.

Contact department for information to register for this course.

ANTH398A **Independent Study; Research Problems**

(Perm req) Credits: 1-3 Grading Method: Regular

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH398C **Independent Study; The Mediterranean World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH398E **Independent Study; Bodies and Burials**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH398G **Independent Study; Ethnicity, Race and Nationality in Europe**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH398H **Independent Study; Social Anthropology of Britain (Honors)**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH398I **Independent Study; Great Kingdoms of Ancient Near East**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH398J **Independent Study; Archaeology Practicum**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH398K **Independent Study; Archaeology of Roman Identity**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH398L **Independent Study; Social Anthropology of Britain**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH415 **Critical Global Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: ANTH210, ANTH310, or ANTH265 or a similar course focused on global health or medical anthropology course. Jointly offered with: ANTH615. Credit only granted for: ANTH415 or ANTH615.

Extends understandings of diverse health conditions facing world populations today and the science being made around them. Critically examines key issues in global aid and public health, with an emphasis on the theories, concepts, and methods of anthropology.

0101	Matthew Thomann	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	WDS 1114

ANTH417 **Science Technology, and Medicine**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ANTH417 or ANTH617.

How does something become a scientific fact? What is the social impact of new technologies and medical innovations? Who benefits and who is harmed by the rapid development of modern science, technology, and medicine? These questions are explored by drawing on the fields of anthropology, history, sociology, cultural studies, and science and technology studies to understand the inherent connections between science, technology, medicine, and society.

0101	Ampson Hagan	Seats (Total: 20)
	MW 11:30am - 12:45pm	WDS 1114

ANTH425 **Molecular Anthropology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANTH210, 222, 240, 260 or permission of the department. Jointly offered with: ANTH625. Credit only granted for: ANTH425 or ANTH625.

It's in your DNA! Learn how scientists use genetic approaches in both modern and ancient DNA studies, to better understand human evolution, adaptation, diversity, and animal and plant domestication. DNA provides insight into the history of populations, global migrations and demographic events, and how we as a species have adapted to changing environments and the burdens of disease.

0101	Miguel Vilar	Seats (Total: 16)
	TuTh 11:00am - 12:15pm	WDS 0124B

ANTH431 Archaeology and Heritage of the Mediterranean World

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ANTH431 or ANTH688M.

Through a survey of key archaeological sites, this course explores the cultures and civilizations of the ancient Mediterranean world, and also considers how this material past becomes entangled with present-day societal affairs (e.g., political, economic, moral, environmental.)

0101	Kathryn Lafrenz Samuels	Seats (Total: 20)
	MW 12:30pm - 1:45pm	WDS 0104

ANTH432 Multispecies Coexistence

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ANTH432 or ANTH632.

Interactions and relationships between humans and other species, including fungi, animals, plants, and microorganisms, shape human culture, history, economies, politics, and genetics. Over the past decade, multispecies research has emerged to explore these connections by recognizing the agency and significance of non-human beings in shaping social and ecological systems. Moving beyond traditional anthropocentric study of cultures, societies, and human behavior, multispecies scholarship challenges the nature- culture divide by emphasizing the importance of understanding and responsibly engaging with the interconnectedness of all species. This course offers students opportunities to engage in interdisciplinary multispecies scholarship through class readings, discussion, and assignments on topics including the ethics and politics of coexistence; Indigenous knowledge and practice; domestication, niche construction, and co-evolution; urban ecology, human-wildlife conflict; livelihoods and economies.

0101	L Jen Shaffer	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	KEY 0125

ANTH438R Special Topics in Study Abroad IV; Race, Ethnicity, and Romani Musics

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

0101	Siv Lie	Seats (Total: 20)
	MW 2:00pm - 3:15pm	PAC 2168

ANTH440 **Theory and Practice of Historical Archaeology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANTH240. Jointly offered with ANTH640. Credit only granted for: ANTH440 or ANTH640.

Historical archaeology enhances cultural heritage by providing voice for groups who were often unable to record their own histories, such as women, laborers, working class families, and enslaved people. The course provides insight into issues related to race, gender, and ethnicity as they relate to multicultural histories.

0101	Paul Shackel	Seats (Total: 20)
	M 1:00pm - 3:45pm	TLF 0103

ANTH451 **Environmental Archaeology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Credit only granted for: ANTH451, ANTH651, ANTH448F, ANTH668F. Formerly: ANTH448F.

An overview of modern environmental archaeology as a tool for the interdisciplinary investigation of past and present global change and to engage the long term past with current issues of sustainability and rapid environmental change.

0101	George Hambrecht	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	WDS 1114

ANTH464 **Anthropology of Cultural Heritage**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: ANTH260. Jointly offered with ANTH664. Credit only grant ed for: ANTH469T, ANTH689T, ANTH464, ANTH664. Formerly: ANTH469T.

A global exploration of how the past is remade in the present. Covers the breadth of scope and specific interventions of heritage practice at the global scale, including the social, political, economic, and ethical dimensions of cultural heritage.

0101	Kathryn Lafrenz Samuels	Seats (Total: 20)
	MW 10:00am - 11:15am	WDS 1114

ANTH476 **Senior Research**

(Perm req)

Credits: 3-4 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Anthropology program. Credit only granted for: ANTH476 or ANTH486.

Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

Contact department for information to register for this course.

ANTH477 **Senior Thesis**

(Perm req)

Credits: 3-4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANTH476. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program. Credit only granted for: ANTH477 or ANTH487.

Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

Contact department for information to register for this course.

ANTH482 **Anthropology of Infrastructure, Architecture & Design**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Build It, Break It, Fix It. Examining cases from power grids to public toilets and everything in between, this course explores the emergence, construction, operation, breakdown, repair and reimagination of infrastructure and architecture through anthropological theory and methods.

0101	Cady Gonzalez	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CCC 1200

ANTH485 **Honors Research Preparation**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program.

Honors Research Preparation is an independent study course during which the Honors candidate will work with their Honors Thesis Advisor to establish not only the structure of the thesis and timeline, but also the formation of Thesis Review Committee.

Contact department for information to register for this course.

ANTH486 **Honors Research**

(Perm req)

Credits: 3-4 Grading Method: Regular

Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH486 or ANTH476.

Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

Contact department for information to register for this course.

ANTH487 **Honors Thesis**

(Perm req)

Credits: 3-4 Grading Method: Regular

Prerequisite: ANTH486. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH487 or ANTH477.

Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

Contact department for information to register for this course.

ANTH601 **Applied Anthropology**

Credits: 3 Grading Method: Regular

An overview of the history and current practices of applied anthropology. This includes relationships between applied anthropology and other major subfields of the profession; the interdisciplinary and public context of applied anthropology; and problems of significance, utility, and ethics associated with applied anthropology.

Offered fall only. For ANTH majors only.

0101	Matthew Thomann W 11:00am - 1:45pm	Seats (Total: 19) KEY 0125

ANTH606 **Qualitative Methods in Applied Anthropology**

Credits: 3 Grading Method: Regular, Audit

An introduction to the use of ethnography and qualitative methods in applied and policy contexts. Qualitative methods discussed include informal and systematic approaches. Students undertake fieldwork in local settings to practice the qualitative methods and to develop analysis and report writing skills.

0101	Christina Getrich Th 11:00am - 1:45pm	Seats (Total: 19) WDS 1127

ANTH615 **Critical Global Health**

Credits: 3 Grading Method: Regular, Audit

Jointly offered with: ANTH415. Credit only granted for: ANTH415 or ANTH615.

Extends understandings of diverse health conditions facing world populations today and the science being made around them. Critically examines key issues in global aid and public health, with an emphasis on the theories, concepts, and methods of anthropology.

0101	Matthew Thomann	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	Location: TBA

ANTH617 **Science Technology, and Medicine**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ANTH417 or 617.

How does something become a scientific fact? What is the social impact of new technologies and medical innovations? Who benefits and who is harmed by the rapid development of modern science, technology, and medicine? These questions are explored by drawing on the fields of anthropology, history, sociology, cultural studies, and science and technology studies to understand the inherent connections between science, technology, medicine, and society.

0101	Ampson Hagan	Seats (Total: 10)
	MW 11:30am - 12:45pm	WDS 1114

ANTH620 **Environment and Society**

Credits: 3 Grading Method: Regular, Audit

Cross-listed with: MEES620. Credit only granted for: ANTH620 or MEES620. Additional information: Offered over the interactive video network.

Students will obtain foundational knowledge of core theories and methods that integrate cultural and socio-economic research into environmental science. Key topics include: coupled natural and human systems, cultural models of the environment, social networks, ecological economics, political ecology, environmental justice, and science communication.

0101	Matthew Gray, Matthew Houser	Seats (Total: 20)
	Th 2:00pm - 4:50pm	Location: TBA

ANTH625 **Molecular Anthropology**

Credits: 3 Grading Method: Regular, Audit

Jointly offered with: ANTH425. Credit only granted for: ANTH425 or ANTH625.

It's in your DNA! Learn how scientists use genetic approaches in both modern and ancient DNA studies, to better understand human evolution, adaptation, diversity, and animal and plant domestication. DNA provides insight into the history of populations, global migrations and demographic events, and how we as a species have adapted to changing environments and the burdens of disease.

0101	Miguel Vilar	Seats (Total: 4)
	TuTh 11:00am - 12:15pm	WDS 0124B

ANTH631 **Archaeology and Heritage of the Mediterranean World**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ANTH431 or ANTH631.

Through a survey of key archaeological sites, this course explores the cultures and civilizations of the ancient Mediterranean world, and also considers how this material past becomes entangled with present-day societal affairs (e.g., political, economic, moral, environmental.)

0101	Kathryn Lafrenz Samuels	Seats (Total: 10)
	MW 12:30pm - 1:45pm	WDS 0104

ANTH632 **Multispecies Coexistence**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ANTH432 or ANTH632.

Interactions and relationships between humans and other species, including fungi, animals, plants, and microorganisms, shape human culture, history, economies, politics, and genetics. Over the past decade, multispecies research has emerged to explore these connections by recognizing the agency and significance of non-human beings in shaping social and ecological systems. Moving beyond traditional anthropocentric study of cultures, societies, and human behavior, multispecies scholarship challenges the nature- culture divide by emphasizing the importance of understanding and responsibly engaging with the interconnectedness of all species. This course offers students opportunities to engage in interdisciplinary multispecies scholarship through class readings, discussion, and assignments on topics including the ethics and politics of coexistence; Indigenous knowledge and practice; domestication, niche construction, and co-evolution; urban ecology, human-wildlife conflict; livelihoods and economies.

0101	L Jen Shaffer	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	KEY 0125

ANTH640 **Advanced Studies in Theory and Practice of Historical Archaeology**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Jointly offered with ANTH440. Credit only granted for: ANTH440 or ANTH6 40.

Historical archaeology enhances cultural heritage by providing voice for groups who were often unable to record their own histories, such as women, laborers, working class families, and enslaved people. The course provides insight into issues related to race, gender, and ethnicity as they relate to multicultural histories.

0101	Paul Shackel M 1:00pm - 3:45pm	Seats (Total: 10) TLF 0103

ANTH651 **Environmental Archaeology**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Credit only granted for: ANTH448F, ANTH451, ANTH688F, or ANTH651. Formerly: ANTH688F.

An overview of modern environmental archaeology as a tool for the interdisciplinary investigation of past and present global change and to engage the long term past with current issues of sustainability and rapid environmental change.

0101	George Hambrecht TuTh 3:30pm - 4:45pm	Seats (Total: 10) Location: TBA

ANTH655 **Introduction to Museum Scholarship**

Credits: 3 Grading Method: Regular, Audit

Cross-listed with: AMST655, HIST610, INST653. Credit only granted for: AMST655, ANTH655, HIST610, INST728T or INST653.

Provides students a basic understanding of museums as cultural and intellectual institutions. Topics include the historical development of museums, museums as resources for scholarly study, and the museum exhibition as medium for presentation of scholarship.

0201	Diana Marsh Th 2:00pm - 4:40pm	Seats (Total: 30) HJP 2217

ANTH664 **Anthropology of Cultural Heritage**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ANTH469T, ANTH689T, ANTH464 or ANTH664. Formerly: ANTH689T.

A global exploration of how the past is remade in the present. Covers the breadth of scope and specific interventions of heritage practice at the global scale, including the social, political, economic, and ethical dimensions of cultural heritage.

0101	Kathryn Lafrenz Samuels MW 10:00am - 11:15am	Seats (Total: 10) WDS 1114

ANTH682 **Anthropology of Infrastructure, Architecture & Design**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ANTH482 or 682.

Build It, Break It, Fix It. Examining cases from power grids to public toilets and everything in between, this course explores the emergence, construction, operation, breakdown, repair and reimagination of infrastructure and architecture through anthropological theory and methods.

0101	Cady Gonzalez	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	Location: TBA

ANTH688A **Current Developments in Anthropology**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.

Contact department for information to register for this course.

ANTH689A **Special Problems in Anthropology**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ANTH689M **Special Problems in Anthropology; Music, Sound, and Memory**

Credits: 3 Grading Method: Regular, Sat-Fail

0101	Siv Lie	Seats (Total: 12)
	Tu 3:30pm - 6:00pm	PAC 3110A

ANTH701 **Anthropology Internship Preparation**

Credits: 3 Grading Method: Regular, Audit

Preparation for internship includes practicum training in development, presentation and evaluation of position papers, proposals and work plans; literature search and use of secondary data sources in decision making the effect cultural analysis and resource management; ethics and professional development for work in non-academic settings.

Contact department for information to register for this course.

ANTH712 **Anthropology Internship Analysis**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ANTH789.

The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

Contact department for information to register for this course.

ANTH741 **Introduction to Cultural and Heritage Resource Management**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Cultural and Heritage Resource Management Master or Post-Baccalaureate Certificate of Professional Studies Programs; or by permission of the Anthropology department.

An introduction to the field of cultural and heritage resource management. Examines existing international, national, and local frameworks for the protection of cultural heritage. Provides an overview of employment opportunities and ethical responsibilities within the profession.

PLA1	Matthew Palus	Seats (Total: 25)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE
	Must be in Cultural & Heritage Resource Management program. All other graduate students must request permission. Contact exst@umd.edu Golden ID students are not eligible for this section.	
PLA2	Matthew Palus	Seats (Total: 25)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE
	Must be in Cultural & Heritage Resource Management program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

ANTH743 **Community Engagement and Consultation**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Cultural and Heritage Resource Management Program (CHRM); or by permission of the Anthropology department.

A grounding in cultural communication and sensitivity to community, cultural, and stakeholder needs within and beyond project specific confines. Using the broader context of practicing anthropology in the exploration of communication styles, learning styles, and cultural biases and taboos, students are exposed to underlying concepts concerning inter-cultural communication so that they may develop more collaborative approaches to research. The program also provides background in the development of public outreach programs in the context of cultural and heritage resource management.

PLA1	Marie Archambeault	Seats (Total: 20)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE
	Must be in Cultural & Heritage Resource Management program. All other graduate students must request permission. Contact exst@umd.edu Golden ID students are not eligible for this section.	

ANTH747 **Business of CRM**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Cultural and Heritage Resource Management Masters Program (MPCH) or certificate (Z121) ; or by permission of the Anthropology department.

An overview of the skills necessary for success in managing a CRM program. Students will learn how CRM organizations market and manage clients, prepare and submit budgets and proposals, and coordinate technical staff to successfully complete projects. Topics will address the range of issues that owners and managers are confronted with in their oversight of projects, including the management of employees, ethics and professional responsibilities, ensuring health and safety, and meeting the many contractual obligations of CRM projects.

PLA1	Lyle Torp	Seats (Total: 20)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE
	Must be in Cultural & Heritage Resource Management program. All other graduate students must request permission. Contact exst@umd.edu Golden ID students are not eligible for this section.	

ANTH749 **Cultural and Heritage Resource Management Internship**

Credits: 1-6 Grading Method: Regular, Audit

An internship/practicum that would contribute to students' understanding of the overall process of CHRM. Students who are already working in CRM or a closely related field may use their employment as their practicum if the opportunity is available for them to learn beyond their current job duties.

PLA1	Matthew Palus **Meets September 2, 2025 - November 21, 2025** Class time/details on ELMs	Seats (Total: 20) ONLINE
	Must be in Cultural & Heritage Resource Management program. All other graduate students must request permission. Contact exst@umd.edu Golden ID students are not eligible for this section.	

ANTH751 **Project Management**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Cultural and Heritage Resource Management Master's Program (MPCH) or certificate (Z121) ; or by permission of the Anthropology department.

This capstone class for the MPS in CHRM provides students with a grounding in the critical thinking processes necessary during each stage of the CRM process. It provides students with insights into the processes used as research questions are translated into data and then into an evaluative report. Students review examples of appropriate and inappropriate technical reports and then analyze the reports to understand the thinking processes necessary for project management to provide the client with the documentation necessary for completing the compliance process.

PLA1	Kelly Hockersmith **Meets September 2, 2025 - November 21, 2025** Class time/details on ELMs	Seats (Total: 20) ONLINE
	Must be in Cultural & Heritage Resource Management program. All other graduate students must request permission. Contact exst@umd.edu Golden ID students are not eligible for this section.	
PLA2	Kelly Hockersmith **Meets September 2, 2025 - November 21, 2025** Class time/details on ELMs	Seats (Total: 20) ONLINE
	Must be in Cultural & Heritage Resource Management program. All other graduate students must request permission. Contact exst@umd.edu Golden ID students are not eligible for this section.	

ANTH752 **Introduction to GIS for CRM**

Credits: 3 Grading Method: Regular, Audit

Builds foundational competence for using geographical information systems (GIS) in the field of cultural resources management (CRM), including a basic understanding of how to work in ArcGIS, and the types of data analysis and presentation that are possible within GIS applications.

PLA1	Michael Konzak	Seats (Total: 20)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE
	Must be in Cultural & Heritage Resource Management program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

ANTH760 **Development of Social/Cultural Theory**

Credits: 3 Grading Method: Regular, Audit

A broad perspective of the history of social cultural theory in anthropology and the critical skills needed for understanding the subdiscipline is provided. An overview of the history of theorizing about society and culture will help outline the past, present, and future of anthropology and its relations with other scientific and humanistic disciplines.

For Anth majors only.

0101	Andrea Lopez	Seats (Total: 19)
	Tu 11:00am - 1:45pm	WDS 1127

ANTH788 **Internship Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

This course augments ANTH 789 and is graded in conjunction with it.

Contact department for information to register for this course.

ANTH789 **Internship**

(Perm req)

Credits: 3-6 Grading Method: Regular, Audit

Individual instruction course supervised by a department faculty member.

Contact department for information to register for this course.

ANTH799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

PLA1	Matthew Palus	Seats (Total: 20)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE
	Must be in Cultural & Heritage Resource Management program. All other graduate students must request permission. Contact exst@umd.edu Golden ID students are not eligible for this section.	

ANTH857 **Museum Scholarship Practicum**

(Perm req)

Credits: 3-6 Grading Method: Regular

Prerequisite: AMST856, ANTH856, or HIST810. Restriction: Permission of Museum Scholarship Program required. Cross-listed with: AMST857, HIST811, INST787. Credit only granted for: AMST857, ANTH857, HIST811, INST728I or INST787.

Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

IM01	Paul Jaeger	Seats (Total: 12)
	Contact instructor or department for details.	

ANTH898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ANTH899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

AOSC Atmospheric and Oceanic Science Fall 2025

AOSC123 **Causes and Consequences of Global Change**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: PS General Education: DSNS, SCIS

Cross-listed with: GEOL123. Credit only granted for: AOSC123, GEOG123, or GEOL123.

Study of the major components of Earth's climate system and climate change history. Discussion of 21st century climate change prediction, mitigation and adaptation efforts.

0201	Jeffrey Henrikson	Seats (Total: 39)
	MW 5:00pm - 6:15pm	ESJ 1215
0202	Jeffrey Henrikson	Seats (Total: 39)
	MW 5:00pm - 6:15pm	ESJ 1215

AOSC200 Weather and Climate

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: PS	General Education: DSNL (if taken with AOSC201), DSNS, SCIS

Prerequisite: MATH107, MATH110, or MATH115. Recommended: Concurrent enrollment in AOSC201.

What are weather and climate? Most people think they know but if you ask people to explain the differences and similarities you're bound to get a range of answers. Weather affects not just our daily activities but other important aspects of society such as transportation, commerce, security and agriculture. Most people understand what weather is to some extent. Climate and climate change are concepts that evoke strong emotional responses from people but are less well understood. In this class, students examine fundamental issues such as the greenhouse effect, severe weather, and global weather patterns and how they relate to a changing climate. Instruction in the lectures will provide the basic knowledge needed to understand these issues. In the discussion sections, students will be divided into groups to address the implications of these topics through group projects.

0101	Timothy Canty TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 30) ESJ 1202 ATL 2416	Discussion
0102	Timothy Canty TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 30) ESJ 1202 ATL 2416	Discussion
0103	Timothy Canty TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 30) ESJ 1202 ATL 2416	Discussion
0104	Timothy Canty TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 30) ESJ 1202 ATL 2416	Discussion
0201	Jeffrey Henrikson TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 30) ESJ 1202 ATL 2428	Discussion
0202	Jeffrey Henrikson TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 30) ESJ 1202 ATL 2428	Discussion
0203	Jeffrey Henrikson TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 30) ESJ 1202 ATL 2416	Discussion

0204	Jeffrey Henrikson TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 30) ESJ 1202 ATL 2416	Discussion

AOSC201 **Weather and Climate Laboratory**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL

Corequisite: AOSC200.

Laboratory exercises to supplement AOSC200, including weather observations, weather map analysis, forecasting practice and climate modeling.

Students must pay a $60.00 laboratory materials fee.

0101	Samantha Halstead Santez Tu 3:30pm - 5:30pm	Seats (Total: 26) ATL 3426	Lab
0102	Quentin Simmons W 10:00am - 12:00pm	Seats (Total: 26) ATL 3426	Lab
0103	Quentin Simmons F 10:00am - 12:00pm	Seats (Total: 26) ATL 3426	Lab
0104	Samantha Halstead Santez W 4:00pm - 6:00pm	Seats (Total: 26) ATL 3426	Lab
0105	Igor Uchoa Farias M 2:00pm - 4:00pm	Seats (Total: 26) ATL 3426	Lab
0106	Gabrielle Linscott M 4:00pm - 6:00pm	Seats (Total: 26) ATL 3426	Lab
0107	Igor Uchoa Farias M 10:00am - 12:00pm	Seats (Total: 26) ATL 3426	Lab
0108	Gabrielle Linscott F 2:00pm - 4:00pm	Seats (Total: 26) ATL 3426	Lab

AOSC375 **Introduction to the Blue Ocean**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNS

Prerequisite: MATH120 or higher. Recommended: MATH121, MATH141, PHYS161, or PHYS171. Cross-listed with: GEOL375. Credit only granted for: AOSC375 or GEOL375.

The global ocean is a major component of the Earth System that shapes life on earth, including our weather and climate. We explore the observation-based interdisciplinary science of oceanography, identifying its strong connections to related sciences like meteorology, and geography. We apply this developing understanding to environmental issues such as marine pollution, fish and fisheries, as well as to climate variability and to the changes to the marine environment that are resulting from steadily rising levels of atmospheric greenhouse gasses. Focusses include the biogeochemical and physical changes we can observe in the nearby Chesapeake Bay and the coastal waters of Eastern Shore, Maryland.

0101	James Carton MWF 11:00am - 11:50am	Seats (Total: 53) ATL 2428
0201	James Carton Class time/details on ELMs *Midterm 1 meets in-person 10/10 (11-11:50 AM); midterm 2 meets in-person 11/7 (11-11:50 AM); and project presentations meet in-person 12/3 & 12/5 (11-11:50 AM).*	Seats (Total: 10) ONLINE

AOSC400 Physical Meteorology

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (PHYS171, PHYS161, MATH141); or permission of CMNS-Atmospheric & Oceanic Science department.

The application of basic classical physics, chemistry and mathematics to the study of the atmosphere. Composition of the atmosphere; energy sources and sinks (radiation in the atmosphere; radiative balance and radiative forcing of atmospheric processes); atmospheric thermodynamics; clouds and precipitation physics; atmospheric electricity and optics; mesoscale processes (e.g., orographic mesoscale phenomena and instabilities); air mass boundaries; severe weather, tropical cyclones; storms; global circulation.

0101	Maria Molina MWF 12:00pm - 12:50pm	Seats (Total: 32) ATL 2428

AOSC420 Physical Oceanography

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH141 and PHYS141. Recommended: AOSC200. Also offered as: GEOL670, AOSC670. Credit only granted for: AOSC420, AOSC670, or GEOL670.

Ocean observations. Water masses, sources of deep, intermediate, and surface water. Mass, heat, and salt transport, and the meridional overturning circulation. Geochemical tracers and cycles, including carbon. Western boundary currents, mixed layers, and processes maintaining the thermocline. Coastal and estuarine processes. Surface waves and tides. the ocean's role in climate.

0101	Jacob Wenegrat TuTh 2:00pm - 3:15pm	Seats (Total: 20) ATL 2416

AOSC431 Atmospheric Thermodynamics

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (PHYS171, PHYS161, MATH141). Recommended: MATH246.

Classical thermodynamics applied to both the dry and the moist atmosphere. Composition; phase changes of water; stability concepts; Properties of aerosols and clouds, cloud nucleation and precipitation processes, atmospheric electricity, cloud and precipitation chemistry.

0101	Ning Zeng MWF 10:00am - 10:50am	Seats (Total: 24) ATL 2428
AM01	Ning Zeng MWF 10:00am - 10:50am	Seats (Total: 1) ATL 2428

AOSC436 Principles of Biogeochemistry

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH120 or MATH140; or must have completed MATH220. And (GEOL100 or GEOL120); and GEOL322. And CHEM131 and CHEM132; or (CHEM135 and CHEM136). Restriction: Non-degree-seeking students require the permission of the instructor. Cross-listed with: GEOL436. Credit only granted for: GEOL436 or AOSC436.

An introduction to the basic principles of biogeochemistry including aspects of organic geochemistry, biochemistry, microbiology, global geochemical cycles, the origin of life and paleoenvironmental evolution.

0101	Alan Kaufman TuTh 8:00am - 9:15am	Seats (Total: 10) BPS 1238

AOSC470 Synoptic Meteorology

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in AOSC431 and AOSC432. Credit only granted for: AOSC470, AOSC600, or METO600.

Atmospheric properties and observations, meteorological analysis and charts, operational numerical forecasts. Application of quasigeostrophic theory, baroclinic instability, midlatitiude and mesoscale weather systems. Tropical meteorology. Weather forecasting using numerical and statistical models. Prediction of weather phenomena on the global, syoptic, meso, and local scales. Analysis of surface and upper air data; Norwegian cyclone model; introduction to weather forecasting.

0101	Jonathan Poterjoy	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ATL 2416

AOSC493 **Senior Research Project I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of CMNS-Atmospheric & Oceanic Science department. Restriction: Must be in Atmospheric and Oceanic Science program; or permission of instructor.

Technical writing and oral presentation skills. Planning, writing, and presenting a plan for research in the geosciences.

0101	Timothy Canty, Alexandra Jones	Seats (Total: 20)
	MWF 2:00pm - 2:50pm	ATL 3408

AOSC494 **Atmospheric and Oceanic Science Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in AOSC431 and AOSC432. Restriction: Permission of the Atmospheric and Oceanic Science Department.

Exposure to a wide range of contemporary topics in atmospheric, oceanic, and climate sciences, to foster research interests and promote critical thinking through the weekly AOSC departmental seminar series.

0101	Louis Uccellini	Seats (Total: 50)
	Th 3:30pm - 5:00pm	ATL 2400

AOSC498 **Senior Research Project II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The project will be based on the research or development plan created in AOSC493. It may be completed with the approval of a faculty advisor in conjunction with an internship. Final written thesis and oral defense will be expected.

Contact department for information to register for this course.

AOSC499 **Special Problems in Atmospheric Science**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research or special study in the field of meteorology and the atmospheric and oceanic sciences.

Contact department for information to register for this course.

AOSC600 Synoptic Meteorology I

Credits: 3 Grading Method: Regular, Audit

Prerequisite: AOSC610.

Atmospheric properties and observations, meteorological analysis and charts, operational numerical forecasts. Application of quasigeostrophic theory, baroclinic instability, midlatitude and mesoscale weather systems. Tropical meteorology.

0101	Jonathan Poterjoy TuTh 12:30pm - 1:45pm	Seats (Total: 10) ATL 2416
AM01	Jonathan Poterjoy TuTh 12:30pm - 1:45pm	Seats (Total: 1) ATL 2416

AOSC610 Dynamics of the Atmosphere and Ocean I

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed or be concurrently enrolled in MATH462; or students who have taken courses with comparable content may contact the department.

Equations of motion and their approximation, scale analysis for the atmosphere and the ocean. Conservation properties. Fluid motion in the atmosphere and oceans. Circulation and vorticity, geostrophic motion and the gradient wind balance. Turbulence and Ekman Layers.

0101	Madeleine Youngs MWF 12:00pm - 12:50pm	Seats (Total: 30) ATL 2416
AM01	Madeleine Youngs MWF 12:00pm - 12:50pm	Seats (Total: 1) ATL 2416

AOSC620 Physics and Chemistry of the Atmosphere I

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH461; or students who have taken courses with comparable content may contact the department.

Air parcel thermodynamics and stability; constituent thermodynamics and chemical kinetics. Cloud and aerosol physics and precipitation processes.

0101	Russell Dickerson TuTh 11:00am - 12:15pm	Seats (Total: 25) ATL 2416
AM01	Russell Dickerson TuTh 11:00am - 12:15pm	Seats (Total: 1) ATL 2416

AOSC652 **Analysis Methods in Atmospheric and Oceanic Science**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PHYS141 and MATH241; or students who have taken courses with comparable content may contact the department. Recommended: AMSC460, CMSC660, AMSC660, or CMSC460.

A variety of the analysis methods used by atmospheric and oceanic scientists will be applied to observational data sets such as Vostok ice core record, temperature trends, and satellite measurements of ozone,sea ice, etc. in a hands-on, computer laboratory setting. Students will be exposed to Fortran and Python as well as modern file formats such as HDF and netCDF. No prior programming experience required.

0101	Jeffrey Henrikson TuTh 5:30pm - 7:30pm	Seats (Total: 24) ATL 3426
0201	Jeffrey Henrikson Class time/details on ELMs	Seats (Total: 30) ONLINE
AM01	Jeffrey Henrikson TuTh 5:30pm - 7:30pm	Seats (Total: 1) ATL 3426
AM02	Jeffrey Henrikson Class time/details on ELMs	Seats (Total: 1) ONLINE

AOSC670 **Physical Oceanography**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of CMNS-Atmospheric & Oceanic Science department; or permission of CMNS-Geology department. Cross-listed with: GEOL670. Credit only granted for: GEOL670, AOSC670 or AOSC420.

Ocean observations. Water masses, sources of deep water. Mass, heat, and salt transport, geochemical tracers. Western boundary currents, maintenance of the thermocline. Coastal and estuarine processes. Surface waves and tides. Ocean climate.

0101	Jacob Wenegrat TuTh 2:00pm - 3:15pm	Seats (Total: 6) ATL 2416

AM01	Jacob Wenegrat TuTh 2:00pm - 3:15pm	Seats (Total: 1) ATL 2416

AOSC680 **Introduction to Earth System Science**

Credits: 3 Grading Method: Regular, Audit

An introduction to the study of the earth as a system: atmosphere, oceans, land, cryosphere, solid earth, and humans. Cycling of materials and energy in the earth system: the energy cycle, the hydrologic cycle, the carbon cycle, the nitrogen cycle. Climate processes and variability: land-atmosphere, ocean-atmosphere, biosphere-climate, and human interactions, short- and long-term variability in climate.

0101	Ross Salawitch TuTh 2:00pm - 3:15pm	Seats (Total: 24) ATL 1109
AM01	Ross Salawitch TuTh 2:00pm - 3:15pm	Seats (Total: 1) ATL 1109

AOSC798 **Directed Graduate Research**

Credits: 1-3 Grading Method: Sat-Fail

Directed graduate research in atmospheric and oceanic science.

Contact department for information to register for this course.

AOSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

AOSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ARAB Arabic Fall 2025

ARAB101 **Elementary Arabic I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Introduction to modern standard Arabic in both its spoken and written form. Equal emphasis on all four skill areas: speaking, listening, reading, and writing.

0101	Samah Al-salami MWF 10:00am - 10:50am	Seats (Total: 15) ESJ B0324

0201	Samah Al-salami MWF 12:00pm - 12:50pm	Seats (Total: 15) ESJ B0320
0301	Ahmed Hanafy TuTh 11:00am - 12:15pm	Seats (Total: 15) HJP 2118

ARAB102 **Elementary Arabic II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARAB101; or must have appropriate World Language Placement (WLP) score.

Continuation of ARAB101. Introduction to both spoken and written Arabic. Equal emphasis on all four skill areas: speaking, listening, reading, and writing.

0101	Lutf Alkebsi MWF 10:00am - 10:50am	Seats (Total: 15) HJP 2118
0201	Samah Al-salami MWF 11:00am - 11:50am	Seats (Total: 15) ESJ B0320

ARAB190 **Introduction to Arab Cultures & Societies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Provides an introduction to key topics related to the study of the Arabic-speaking world, including features of Arab identity in the Middle East & North Africa as well as in the diaspora. Addresses religious, racial, and ethnic diversity, the history of language and culture, political economy, and migration. Students will learn about the diverse cultures and societies that have formed the changing conceptions of the Arab world through history and across different geographies. A fundamental premise is that the "Arab world" is not a monolithic, unchanging, bounded region "over there," but has long been deeply intertwined with other societies, including our own. Taught in English.

Click here for more details.

0101	Valerie Anishchenkova TuTh 3:30pm - 4:45pm	Seats (Total: 15) HJP 2114

ARAB201 **Intermediate Arabic I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARAB102; or must have appropriate World Language Placement (WLP) score.

The study of Arabic in both its spoken and written forms at the intermediate level. Course will continue to develop all four skills of language acquisition: listening, speaking, reading, and writing.

0101	Lutf Alkebsi MWF 11:00am - 11:50am	Seats (Total: 15) HJP 2118
0201	Lutf Alkebsi MWF 12:00pm - 12:50pm	Seats (Total: 15) HJP 2118

ARAB208E **Colloquial Arabic and Popular Culture; Egypt**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Language and content to be announced when course is offered.

Prereq - ARAB102; or must have appropriate World Language Placement Test score. Offers an immersive introduction to spoken Arabic thr ough popular culture, including film, music, television, and social media. Students will develop practical communication skills in a regional colloquial variety of Arabic while engaging with everyday language use. In additionto language acquisition, the course explores cultural traditions, daily life, holidays and celebrations, as well as broader cultural and social issues reflected in popular media. Emphasis is placed on authentic materials and culturally embedded speech practices, including idiomatic expressions, proverbs, register shifts, gestures and nonverbal communication, and socially appropriate language and behaviors. Regional focus varies by semester.

0101	Valerie Anishchenkova TuTh 2:00pm - 3:15pm	Seats (Total: 15) HJP 2118

ARAB225 **Roots and Patterns: Verb Meaning in Arabic**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARAB102; or must have appropriate World Language Placement (WLP) score. Credit only granted for: ARAB499K or ARAB225. Formerly: ARAB499K. Additional information: No prior linguistic training is required, but an interest in language and linguistics is assumed.

Examines the templatic morphology of the Arabic verb system, and asks what the workings of such a system tell us about the way that humans construct and encode meaning. Moves beyond the traditional labels that are used to name the different categories of Arabic verb, to explore the conceptual structures that are coded linguistically by the various verb patterns.

0101	Ahmed Hanafy TuTh 12:30pm - 1:45pm	Seats (Total: 15) HJP 2118

ARAB301 **Arab Culture and Society: Skills and Topics I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARAB202; or must have appropriate World Language Placement (WLP) score.

Discussion of factors that drive migration from and across Arab societies, including structures of economic and social marginalization and experiences within Arab diaspora communities. Continued study of Arabic in both its spoken and written forms and study of daily life in Arabic-speaking societies. Listening, speaking, reading and writing are emphasized through engagement with increasingly advanced authentic materials.

0101	Ahmed Hanafy	Seats (Total: 15)
	TuTh 9:30am - 10:45am	HJP 2118

ARAB322 **Arabic for Daily Life II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARAB202; or equivalent, or must have appropriate World Language Placement (WLP) score.

Develops students' speaking and listening abilities in both formal Arabic and a dialect, aiming to bring them to the advanced low level in speaking. Focus on activating vocabulary and grammar structures, speaking at the paragraph level, self-correction, and using both formal and informal registers of Arabic.

0101	Samah Al-salami	Seats (Total: 15)
	MW 2:00pm - 3:15pm	ESJ B0324

ARAB386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ARHU-School of Languages, Literatures, and Cultures department.

Pre-professional experience in research, analysis and writing in a work setting. Project proposal approved by faculty and internship sponsor. Junior standing.

Contact department for information to register for this course.

ARAB398A **Special Topics in Arabic Studies; The Language of the Quran and Hadith I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

In-depth study of a particular aspect of Arabic culture, literature, and language. Specific topic to be announced when offered. Taught in Arabic.

Credit only granted for ARAB398A or ARAB399E. Develops understanding of the language of Quran and Hadith through reading skills, discussion of content, and recitation practice. Assumes basic reading ability in Arabic, perhaps gained through exposure to the Quran.

0101	Lutf Alkebsi	Seats (Total: 15)
	MW 2:00pm - 3:15pm	HJP 2118

ARAB399 **Independent Study In Arabic**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research and writing or specific readings on a topic selected by the student and supervised by a faculty member on the Department of Arabic Studies. To be planned during semester preceding registration.

Contact department for information to register for this course.

ARAB499D **Special Topics in Arabic Studies; Gender and Difference in the Arab World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

In-depth study of particular aspect of Arabic culture, literature and language. Specific topic to be announced when course is offered.

Introduces students to the study of gender in the modern Arab world, exploring how gender intersects with other manifestations of power and difference, including race, social class, and disability. Major issues and theoretical frameworks are explored through both scholarly and creative texts. Cross-listed with WGSS498E. Credit will be only granted for WGSS498E and ARAB499D.

0101	Anny Gaul TuTh 3:30pm - 4:45pm	Seats (Total: 15) HJP 2118

ARAB628A **Special Topics in Arabic Studies; Arabic Audiovisual Discourses**

Credits: 3 Grading Method: Regular, Audit

In-depth study of a particular aspect of Arabic Studies. Topics to be announced when course if offered. Taught in Arabic.

Contact department for information to register for this course.

ARCH Architecture Fall 2025

ARCH170 **Design Thinking and Architecture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA General Education: DSHU

Examines conceptual, perceptual, behavioral, and technical aspects of the built environment, and methods of analysis, problem-solving, and design implementation.

0101	Michael Abrams W 9:00am - 9:50am Contact instructor or department for details. F 9:00am - 9:50am	Seats (Total: 100) ARC 0204 ARC 0204	Discussion
FC01	Candace Maloney-Franklin F 11:00am - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) ASY 3203	

ARCH171 **Design Thinking and Making in Architecture**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSSP

Restriction: Must be a major in ARCH-Architecture Program; and must be a freshman; or have permission of the School of Architecture, Planning and Preservation.

Examines iterative design processes and critical thinking skills through active learning and design thinking methodologies to solve problems and apply design as a lens of inquiry and exploration. Students will understand Design Thinking through interactive and experiential learning.

0101	Kenneth Filler M 10:30am - 11:45am F 11:00am - 12:15pm	Seats (Total: 35) ARC 0204 ARC 0101	 Lab
0102	Kenneth Filler M 10:30am - 11:45am F 9:00am - 10:15am	Seats (Total: 35) ARC 0204 ARC 0101	 Lab

ARCH201 **Elements and Principles of Architecture**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major in ARCH-Architecture Program.

Survey of fundamental elements and principals of architecture and architectural education. Frames study of architecture as a profession, discipline and critical practice.

0101	Brian Kelly M 11:00am - 11:50am	Seats (Total: 120) ARC 0101

ARCH226 **History of World Architecture II**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHU

Post-1500 - History of Architecture survey course - History of Architecture structured to develop critical thinking and visually literacy with regard to the worldwide legacy of design thinking and building innovation in architecture

0101	Juan Burke TuTh 9:30am - 10:45am	Seats (Total: 120) ARC 0204

ARCH270 **Design in Practice**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSSP, SCIS

Case studies and hands-on design projects ranging in scale from a product to a building to give students insight into the process by which architects work both individually and collaboratively to put disciplinary knowledge and expertise into practice to shape our built environment.

A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE). Click here for more information on the Fearless Ideas Courses.

0101	Michael Ezban TuF 11:00am - 12:15pm	Seats (Total: 60) ARC 0101	

ARCH271 **People, Planet, and Profit: Building Sustainable Places**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Cross-listed with: RDEV250. Credit only granted for: ARCH271 or RDEV250.

An introduction to the four disciplines represented in the School: architecture and urban design, community planning, historic preservation, and real estate development, that work to create a more sustainable environment for the future to create a more sustainable environment for the future using our interpretation of the quadruple bottom line: socio-cultural, economic, environmental, and design sustainability. Students will be provided with an understanding of the fundamental scholarship and processes of each of these disciplines and examine the intersections between them. Additionally, they will learn by applying the approaches of the four disciplines through a series of field studies.

0101	Wayne Curtis TuTh 3:30pm - 4:45pm	Seats (Total: 150) ARC 0204	

ARCH300 **Design Media and Representation II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARCH200; or permission of ARCH-Architecture Program. Restriction: Must be in a major in ARCH-Architecture Program.

Study of architectural representation in physical and digital design media. Examine visual communications and speculative visual studies through applied drawing, modeling and making to explore expanded roles of representation in design and design thinking.

0101	Peter Wilson, Adan Ramos W 8:00am - 9:50am W 10:00am - 11:50am	Seats (Total: 20) ARC 0101 ARC 0101	 Discussion
0102	Adan Ramos, Peter Wilson W 8:00am - 9:50am W 12:00pm - 1:50pm	Seats (Total: 20) ARC 0101 ARC 0101	 Discussion

0103	Adan Ramos, Peter Wilson W 8:00am - 9:50am W 10:00am - 11:50am	Seats (Total: 20) ARC 0101 ARC 0101	 Discussion
0104	Peter Wilson, Adan Ramos W 8:00am - 9:50am W 12:00pm - 1:50pm	Seats (Total: 20) ARC 0101 ARC 0101	 Discussion
0105	Adan Ramos, Peter Wilson W 8:00am - 9:50am W 10:00am - 11:50am	Seats (Total: 20) ARC 0101 ARC 0101	 Discussion
0107	Adan Ramos, Peter Wilson W 8:00am - 9:50am W 10:00am - 11:50am	Seats (Total: 20) ARC 0101 ARC 0101	 Discussion

ARCH350 **Intro to Creative Placemaking: Practices & Principles**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Creative Placemaking Minor; or by permission of instructor or program director. Credit only granted for: ARCH458 or ARCH350. Formerly: ARCH458. Additional information: Priority will be given to students in the Creative Placemaking Minor or interested in the minor. Course may include off-campus field trips.

This case-study based seminar introduces students to Creative Placemaking as a practice that leverages the power of the arts, culture, and design to support equitable, vibrant, and sustainable communities. Students analyze Creative Placemaking initiatives that elevate our shared humanity and address critical challenges, such as conversations about racial injustice, inequitable development, climate change or celebrations of the diverse communities and cultures around us. Such projects enable us to consider and imagine ethical development practices, especially in underserved and historically marginalized neighborhoods. Based on participation in creative placemaking and presentations from practitioners, they will capture the ways that artists and designers in partnership with local culture bearers and knowledge keepers can play a vital role in shaping, keeping, and making meaningful places.

0101	Ronit Eisenbach TuTh 3:30pm - 4:45pm	Seats (Total: 20) ARC 1101	
0102	Ronit Eisenbach TuTh 3:30pm - 4:45pm	Seats (Total: 10) ARC 1101	

ARCH401 **Architecture Design Studio II**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ARCH400. Restriction: Must be in Architecture (B.S.) program.

Continuation of ARCH 400 with introduction to building typology, urban and contextual issues, design of the vertical surface, and architectural interiors.

0101	Michael Abrams MWF 2:00pm - 5:20pm Contact instructor or department for details.	Seats (Total: 75) ARC 0101

ARCH403 **Architecture Design Studio IV**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail, Audit General Education: FSOC

Prerequisite: Minimum grade of C- in ARCH402. Restriction: Must be in Architecture (B.S.) program.

Investigations into the relationship between the man-made and the natural world including introductory issues of assembly and material value. Design of the site and the building are combined into an integral process delimiting and probing the boundaries of each and exploring their reciprocal relationship. The architect's obligations to the natural and urban contexts are explored in many dimensions including historical, typological, environmental, and physical.

0101	Marcus Cross MWF 2:00pm - 5:20pm Contact instructor or department for details.	Seats (Total: 80) ARC 0101

ARCH404 **Graduate Architecture Design Studio I**

(Perm req)

Credits: 6 Grading Method: Regular, Audit

Recommended: For 3 1/2 year graduate students only. Restriction: Must be in Architecture (Master's) program.

Introduction to architectural design with particular emphasis on conventions and principles of architecture , visual and verbal communication skills, formal analysis, design process, spatial composition, architectural promenade, basic program distribution, and elementary constructional and environmental responses. Offered fall only.

0101	Kenneth Filler MWF 2:00pm - 5:20pm Contact instructor or department for details.	Seats (Total: 12) ARC 0101

ARCH406 **Graduate Architecture Design Studio III**

(Perm req)

Credits: 6 Grading Method: Regular, Audit

Prerequisite: Minimum grade of B- in ARCH405. Restriction: Must be in Architecture (Master's) program.

Investigations into the relationship between the man-made and the natural world including introductory issues of assembly and material value. Design of the site and the building are combined into an integral process delimiting and probing the boundaries of each and exploring their reciprocal relationship. The architect's obligations to the natural and urban contexts are explored in many dimensions including historical, typological, environmental, and physical.

0101	Michael Ezban MWF 2:00pm - 5:20pm Contact instructor or department for details.	Seats (Total: 16) ARC 0101

ARCH418F **Selected Topics in Architectural Technology; Alternative Building Technologies**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architectural Technology

0101	Jana VanderGoot W 10:00am - 12:30pm	Seats (Total: 15) ARC 1103

ARCH418J **Selected Topics in Architectural Technology; Artificial Intelligence and Architecture: Background, Applications, and the Design Process**

(Perm req)

Credits: 3 Grading Method: Regular

Selected Topics in Architectural Technology

0101	Hooman Koliji F 9:00am - 11:30am	Seats (Total: 30) ONLINE

ARCH419 **Independent Studies in Architectural Technology**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee and Program Director.

Contact department for information to register for this course.

ARCH426 **History of Architecture II**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ARCH-Architecture Program. Credit only granted for: ARCH226 or ARCH426. Additional information: Graduate architecture history course requires additional recitation section and additional coursework tied to survey lectures.

Post-1500 - History of Architecture survey course - History of Architecture structured to develop critical thinking and visually literacy with regard to the worldwide legacy of design thinking and building innovation in architecture. Structured to nurture critical thinking and visually literacy with regard to the worldwide legacy of architecture. The work in the course will involve the evaluation of sources and arguments in reading architectural history. Architecture will be framed relative to ways of thinking, religious beliefs, cultural heritage, and cultural values.

Offered fall only.

0101	Juan Burke TuTh 9:30am - 10:45am	Seats (Total: 120) ARC 0204

ARCH428C **Selected Topics in Architectural History; History of Structure and Construction**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architectural History

0101	Joseph Williams TuTh 11:00am - 12:15pm	Seats (Total: 26) ARC 1101

ARCH428K **Selected Topics in Architectural History; Cities of the Early Modern Mediterranean (1450-1750)**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architectural History

The Mediterranean Sea forms a framework for exploring architecture and cities in the early modern period, focusing mainly on the 16th century and examining key cities such as Venice, Istanbul, Rome, Aleppo, Seville, Granada, with the aim of discovering parallels and contrasts between urban form, architecture, and society under Christian and Islamic rule. Themes include religious complexes as urban design, sociallife and public space, trade and commerce, building practices and cultures, and the impact of disaster (war, epidemics, earthquakes, fire)on urban form. Wider global connections such as the intertwined histories of coffee, sugar, and slaves will be considered. Students will learn different approaches to studying cities and architecture, along with methods for analyzing them in cross-cultural context through a mix of lectures, workshops, and discussions. Sustained attendance and engagement required.

0101	Michele Lamprakos TuTh 2:00pm - 3:15pm	Seats (Total: 26) ARC 1101

ARCH428W **Selected Topics in Architectural History; Writing in Architecture and Architectural History**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architectural History

0101	Joseph Williams	Seats (Total: 36)
	TuTh 9:30am - 10:45am	ARC 1101

ARCH429 **Independent Studies in Architectural History**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee and Program Director.

Prerequisite: permission of department.

Contact department for information to register for this course.

ARCH430 **Measuring Sustainability in Architecture**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ARCH-Architecture Program.

Studies metrics of sustainability as included in rating standards, including LEED. All students will take the LEED GA test.

0101	Ralph Bennett	Seats (Total: 90)
	TuTh 5:00pm - 6:15pm	ARC 0204

ARCH443 **Visual Communication For Architects**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in Architecture (Master's) program; and must be in the 3.5 year M. ARCH program.

Investigation of the relationship between drawing from life and architectural drawing, the conventions of architectural drawing and the role of architectural drawing as a means to develop, communicate, and generate architectural ideas.

0101	Michael Abrams	Seats (Total: 12)
	M 10:00am - 12:40pm	ARC 1123

ARCH448O **Selected Topics in Visual Studies in Architecture; Applied Digital Fabrication**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Visual Studies in Architecture

0101	Andressa Carmo Pena Martinez	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ARC 1115

ARCH449 **Independent Studies in Visual Studies in Architecture**

(Perm req)

Credits: 1-4

Grading Method: Regular, Pass-Fail, Audit

Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee and Program Director

Prerequisite: permission of department.

Contact department for information to register for this course.

ARCH459 **Independent Studies in Urban Design**

(Perm req)

Credits: 1-4

Grading Method: Regular, Pass-Fail, Audit

Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee and Program Director.

Contact department for information to register for this course.

ARCH460 **Site Analysis and Design**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Master of Architecture program; or permission of the School of Architecture, Planning and Preservation.

Principles and methods of site analysis; the influence of natural and man-made site factors on site design and architectural form.

0101	Jana VanderGoot	Seats (Total: 24)
	F 9:30am - 12:00pm	ARC 1101

Principles and methods of site analysis; the influence of natural and man-made site factors on site design and architectural form. This is a graduate level course that is required for all students in the Master's of Architecture program.

ARCH462 **Methods & Materials of Building Construction**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS121 or equivalent; and MATH120 or MATH140 or equivalent; or permission of the ARCH-Architecture Program. Restriction: Must be in a major in undergraduate or graduate ARCH program or Construction Project Management Minor. Credit only granted for: ARCH410 or ARCH462.

Building Construction methods and materials are examined through case studies to explore the means and techniques applied to the material execution of buildings and BIM. Focus on an understanding of the organization of the design and construction process and awareness of building and zoning codes, material systems and types.

0101	Michael Kleiss	Seats (Total: 120)
	TuTh 12:30pm - 1:45pm	ARC 0204

ARCH464 **Architectural Structures I**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARCH462, ARCH463, and PHYS121; and MATH120 or MATH140, or equivalent; or permission of the ARCH-Architecture Program. Corequisite: ARCH401 or ARCH406. Restriction: Must be in either BS in Architecture or M.Architecture Program. Credit only granted for: ARCH411 or ARCH464.

This course covers the basic principles of architectural structures, including the influence of geometric, sectional, and material properties related to flexure and shear in beam and framed systems; vector mechanics with application to analysis of trusses, catenaries, and arches; diagrammatic analysis of beams for bending moment, shear, and deflection as well as the study of structural framing systems for vertical and lateral loads.

0101	Michael Kleiss TuTh 11:00am - 12:15pm	Seats (Total: 80) ARC 0204

ARCH466 **Environmental Systems in Architecture**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARCH462 and ARCH463. Corequisite: ARCH403 or ARCH406. Restriction: Must be in either BS in Architecture or M. Architecture Program. Credit only granted for: ARCH413 or ARCH466.

Environmental systems in architecture presents the theory, quantification, and architectural design implications for heating ventilating and air conditioning, water and waste, fire protection, electricity, illumination, acoustics, and vertical transportation.

0101	Deokoh Woo TuTh 9:30am - 10:45am	Seats (Total: 90) TWS 0310

ARCH468G **Selected Topics in Architecture; Building Craft & The Architectural Detail**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Selected Topics in Architecture

Prerequisite: ARCH400; or permission of ARCH-Architecture Program. This advanced seminar explores the role of building craft and architectural detail in contemporary design through lectures, readings, and seminar discussions. Students will engage in visual analysis, case studies, and research presentations, supported by texts from Ford, Frampton, and Cadwell. Field trips and guest lectures by leading practitioners will offer real-world insight into the making of finely crafted architecture.

0101	Peter Noonan Th 7:00pm - 9:30pm	Seats (Total: 15) ARC 1101

ARCH468K **Selected Topics in Architecture; Entrpreneurship in Architecture**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architecture

0101	Hooman Koliji TuTh 9:30am - 10:45am	Seats (Total: 26) ONLINE

ARCH470 **Computer Applications in Architecture**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARCH400; or permission of ARCH-Architecture Program.

Introduction to computer utilization, with emphasis on architectural applications.

0101	Andressa Carmo Pena Martinez TuTh 7:00pm - 8:15pm	Seats (Total: 25) ARC 0111

ARCH472 **Building Information Modeling Communication and Collaboration**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARCH400; or permission of ARCH-Architecture Program. Restriction: Must be in a major in ARCH-Architecture Program; or must be in the Construction Project Management Minor.

Building Information Modeling is explored as pertains to collaboration and communication in the design and construction of buildings and building systems. Practical and empirical learning using BIM software and case studies of real world projects and construction scenarios.

0101	Kiley Wilfong Cullen TuTh 12:30pm - 1:45pm	Seats (Total: 26) ARC 0111
0102	Austin Raimond Th 6:00pm - 8:30pm	Seats (Total: 24) ARC 1115

ARCH478J **Selected Topics in Architecture; Adaptation**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architecture

This seminar investigates adaptation as both philosophy and practice. It explores adaptive processes at various scales (materials, buildings, cities, landscapes) and of various types (reuse, reframing, addition/subtraction, infill, preservation, recovery, erasure). Topics include memory and the artifact; building as palimpsest; obsolescence and renewal; adaptation and sustainability; new architecture in historic contexts; urban/suburban retrofits; and recovered landscapes. Students delve into case studies and theoretical writings, as well as the practical aspects of engaging in adaptive reuse and renovation. Involving close reading and discussion of complex texts, lectures, workshops, and individual and group research, this course requires sustained attendance and engagement.

0101	Michele Lamprakos	Seats (Total: 15)
	Tu 7:00pm - 9:40pm	ARC 1103

ARCH478Z **Selected Topics in Architecture; Environmental Psychology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Architecture

Focuses on the role of design in human behavior, exploring people-place relationships centered on human physical, physiological, psychological, sociological, and intellectual responses to elements of the built environment.

0101	Mimi Majumdar Narayan	Seats (Total: 16)
	Th 2:00pm - 4:45pm	ARC 1103

ARCH479 **Independent Studies in Architecture**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee and Program Director

Prerequisite: permission of department.

Contact department for information to register for this course.

ARCH489 **Independent Studies in Architectural Preservation**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee and Program Director

Prerequisite: permission of department.

Contact department for information to register for this course.

ARCH600 **Integrated Design Studio V**

(Perm req)

Credits: 6 Grading Method: Regular, Audit

Corequisite: ARCH611. Restriction: Permission of ARCH-Architecture Program.

Integrated and comprehensive building and site design. Course content bridges the gap between design and technology, between practice and education, in a studio setting. Explorations include the integration of conceptual and technical aspects of architectural form and assembly, highlighting the ways in which multiple layers of a building design are developed, coordinated and resolved.

0101	Julie Gabrielli, Daniel Curry, Brittany L Williams MWF 2:00pm - 5:20pm Contact instructor or department for details.	Seats (Total: 36) ARC 0101

ARCH611 **Advanced Architecture Technology Seminar**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Corequisite: ARCH600. Restriction: Permission of ARCH-Architecture Program.

Technology in design of buildings. Application of technological issues in building design; integration of technology in architecture; technology as a form determinant in architecture; other conceptual and philosophical issues related to the application of technology in the design, construction, and use of buildings.

Offered fall only.

0101	Deokoh Woo TuTh 11:00am - 12:15pm	Seats (Total: 30) ARC 1103

ARCH618F **Selected Topics in Architectural Technology; Alternative Building Technologies**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Selected Topics in Architectural Technology

0101	Jana VanderGoot W 10:00am - 12:30pm	Seats (Total: 10) ARC 1103

ARCH628C **Selected Topics in Architectural History; History of Structure and Construction**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Graduate Selected Topics in Architectural History

0101	Joseph Williams TuTh 11:00am - 12:15pm	Seats (Total: 4) ARC 1101

ARCH628K **Selected Topics in Architectural History; Cities of the Early Modern Mediterranean (1450-1750)**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Graduate Selected Topics in Architectural History

The Mediterranean Sea forms a framework for exploring architecture and cities in the early modern period, focusing mainly on the 16th century and examining key cities such as Venice, Istanbul, Rome, Aleppo, Seville, Granada, with the aim of discovering parallels and contrasts between urban form, architecture, and society under Christian and Islamic rule. Themes include religious complexes as urban design, sociallife and public space, trade and commerce, building practices and cultures, and the impact of disaster (war, epidemics, earthquakes, fire)on urban form. Wider global connections such as the intertwined histories of coffee, sugar, and slaves will be considered. Students will learn different approaches to studying cities and architecture, along with methods for analyzing them in cross-cultural context through a mix of lectures, workshops, and discussions. Sustained attendance and engagement required.

0101	Michele Lamprakos TuTh 2:00pm - 3:15pm	Seats (Total: 4) ARC 1101

ARCH628W **Selected Topics in Architectural History; Writing in Architecture and Architectural History**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Graduate Selected Topics in Architectural History

0101	Joseph Williams TuTh 9:30am - 10:45am	Seats (Total: 4) ARC 1101

ARCH629 **Graduate Independent Studies in Architectural History**

(Perm req)

Credits: 1-4

Grading Method: Regular, Audit

Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee and Program Director

Contact department for information to register for this course.

ARCH655 **Urban Design Seminar**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ARCH654; or permission of ARCH-Architecture Program. Restriction: Permission of ARCH-Architecture Program.

Advanced investigation into problems of analysis and evaluation of the design of urban areas, spaces, and complexes with emphasis on physical and social considerations; effects of public policies through case studies. Field observations.

0101	Juan Burke	Seats (Total: 10)
	F 9:30am - 12:00pm	EDU 1121

ARCH668G **Advanced Selected Topics in Architecture; Building Craft & The Architectural Detail**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Graduate Selected Topics in Architecture.

This advanced seminar explores the role of building craft and architectural detail in contemporary design through lectures, readings, and seminar discussions. Students will engage in visual analysis, case studies, and research presentations, supported by texts from Ford, Frampton, and Cadwell. Field trips and guest lectures by leading practitioners will offer real-world insight into the making of finely crafted architecture.

0101	Peter Noonan	Seats (Total: 10)
	Th 7:00pm - 9:30pm	ARC 1101

ARCH668K **Advanced Selected Topics in Architecture; Entrepreneurship in Architecture**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Graduate Selected Topics in Architecture.

0101	Hooman Koliji	Seats (Total: 4)
	TuTh 9:30am - 10:45am	ONLINE

ARCH678J **Advanced Selected Topics in Architecture; Adaptation**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Graduate Selected Topics in Architecture.

This seminar investigates adaptation as both philosophy and practice. It explores adaptive processes at various scales (materials, buildings, cities, landscapes) and of various types (reuse, reframing, addition/subtraction, infill, preservation, recovery, erasure). Topics include memory and the artifact; building as palimpsest; obsolescence and renewal; adaptation and sustainability; new architecture in historic contexts; urban/suburban retrofits; and recovered landscapes. Students delve into case studies and theoretical writings, as well as the practical aspects of engaging in adaptive reuse and renovation. Involving close reading and discussion of complex texts, lectures, workshops, and individual and group research, this course requires sustained attendance and engagement.

0101	Michele Lamprakos	Seats (Total: 10)
	Tu 7:00pm - 9:40pm	ARC 1103

ARCH678Z **Advanced Selected Topics in Architecture; Environmental Psychology**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Graduate Selected Topics in Architecture.

Focuses on the role of design in human behavior, exploring people-place relationships centered on human physical, physiological, psychological, sociological, and intellectual responses to elements of the built environment.

0101	Mimi Majumdar Narayan	Seats (Total: 10)
	Th 2:00pm - 4:45pm	ARC 1103

ARCH679 **Advanced Independent Studies in Architecture; Independent Study in Architecture**

Credits: 1-4

Grading Method: Regular, Audit

Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee and Program Chair.

Contact department for information to register for this course.

ARCH700 **Urban Design Studio VII**

(Perm req)

Credits: 6

Grading Method: Regular, Audit

Prerequisite: Minimum grade of B- in ARCH601 and ARCH654; or permission of Architecture program. Restriction: Permission of ARCH-Architecture Program.

Studio problems and theories concentrating on urbanism and urban design techniques. Issues and sites range from high density urban in-fill to suburban and greenfield development in American and other contexts. Studio theories explore such topics as Contextualism, Neo-Traditional design, Transit-Oriented Development, density, sustainable development building typology, and street design.

0101	Matthew Bell	Seats (Total: 19)
	Tu 1:00pm - 7:00pm	ARC 0101
	F 2:00pm - 8:00pm	ARC 0101
	Contact instructor or department for details.	

ARCH770 **Professional Practice of Architecture**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Restriction: Permission of ARCH-Architecture Program.

Project management, organizational, legal, economic and ethical aspects of architecture.

0101	Andrew Pressman	Seats (Total: 30)
	M 11:15am - 1:50pm	ARC 1101

ARCH797 **Thesis Proseminar**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of B- in ARCH601. Restriction: Must have permission of the ARCH program.

Directed research and preparation of thesis program.

0101	Julie Gabrielli, Hooman Koliji M 8:30am - 11:00am	Seats (Total: 30) ARC 1101

ARCH798 **Thesis in Architecture**

(Perm req)

Credits: 3 Grading Method: Regular

Complements the research of ARCH 799, with presentation of the design research to student's thesis committee.

Contact department for information to register for this course.

ARCH799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Development of master's thesis.

Restricted to ARCH majors only.

Contact department for information to register for this course.

AREC Agricultural and Resource Economics Fall 2025

AREC200 **The Chesapeake Bay Ecosystem: Intersection of Science, Economics, and Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: LS General Education: DSNS, DSSP, SCIS

The Chesapeake Bay is one of the most studied and monitored ecosystems in the world. To develop effective policies to restore this system to a healthier status requires integrating what we know about the biological and physical properties of the system with our understanding of the human dimension. Issues such as achieving nutrient reduction goals, restoring healthy blue crab and oyster fisheries in the bay will be used to demonstrate how economics interacts with science to guide policies that can be effective in achieving Bay restoration goals.

0101	Becky Epanchin-Niell MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 35) ESJ 2204 WDS 1114	Discussion
0102	Becky Epanchin-Niell MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 35) ESJ 2204 TWS 0205	Discussion

0103	Becky Epanchin-Niell MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 35) ESJ 2204 WDS 1114	Discussion
0104	Becky Epanchin-Niell MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 35) ESJ 2204 TWS 0205	Discussion

AREC250 **Elements of Agricultural and Resource Economics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Credit only granted for: AREC240 or AREC250.

An introduction to economic principles of production, marketing, agricultural prices and incomes, farm labor, credit, agricultural policies, and government programs.

0101	Billie Ray MWF 11:00am - 11:50am	Seats (Total: 80) SYM 0200

AREC260 **The Science of Gender in Economics and Development**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP, SCIS

Recommended: Completion of introductory statistics recommended but not required.

Is science an objective enterprise that qualifies researchers to investigate gender free from the constraints and prejudice of their culture? We will investigate the process by which various scientific disciplines, including anthropology, evolutionary biology, psychology, and economics do research on the topic of gender. We will describe the current state of the literature on why different sexes exist and how sex translates into gender across different societies today. With a better understanding of the sources of sex and gender, we will examine how to research the reasons behind the highly divergent economic outcomes for men and women today. We will discuss these issues in the context of the labor market in developed countries like the US as well as a variety of contexts in developing countri es. A particular focus will be the techniques for learning more about the underlying reasons for these differences, how and whether they can be overcome, and if women play a specific role in improving economic outcomes in the poorest parts of the world.

0101	Lori Lynch TuTh 11:00am - 12:15pm	Seats (Total: 60) TWS 1310

AREC280 **Harvesting Big Data to Examine Agriculture and Climate Change**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, SCIS

Credit only granted for: HNUH258A or AREC280. Formerly: HNUH258A.

Can agricultural production keep up with climate change? The digital revolution has changed the way we analyze and interpret the world. Big data offers both opportunities and challenges that require new tools and methods of analysis. This course applies sophisticated digital tools to an age-old concern: the impact of climate on agricultural productivity. In this hands-on introduction to data analysis and visualization with real-world data, students acquire the tools to understand the impacts of environmental change and more.

0101	Lars Olson	Seats (Total: 60)
	MW 3:00pm - 4:15pm	ESJ 2309

AREC306 **Farm Management and Sustainable Food Production**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

The organization and operation of farm businesses are explored through principles of management, financial analysis, production economics, marketing, and business planning. These farm management principles are presented in the context of a sustainable food production system.

0101	Billie Ray	Seats (Total: 70)
	MW 3:30pm - 4:45pm	SYM 0200

AREC326 **Intermediate Applied Microeconomics**

Credits: 3 Grading Method: Regular

Prerequisite: ECON200, AREC250, or AREC240; and ECON201. And MATH120, MATH130, MATH136, or MATH140; or must have completed MATH220. Credit only granted for: ECON306, ECON326, AREC489M, or AREC326. Formerly: AREC489M.

Deepens and broadens your ability to apply rigorous economic analysis skills to a broad range of problems.

0101	Neslihan Uler	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SYM 0215

AREC365 **World Hunger, Population, and Food Supplies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DVUP

An introduction to the problem of world hunger and possible solutions to it. World demand, supply, and distribution of food. Alternatives for leveling off world food demand, increasing the supply of food, and improving its distribution. Environmental limitations to increasing world food production.

0101	Maria Soppelsa	Seats (Total: 161)
	TuTh 11:00am - 12:15pm	ESJ 2208

AREC380 **Data Science for Environmental and Resource Economics**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: AREC240, AREC241, AREC250, or ECON200.

An introduction to principles of data science using modern, open source software tools with applications to important problems in environmental, energy and resource economics. Topics include data wrangling, exploratory data analysis and visualization, modeling, forecasting, practices for reproducible research, and communication of results.

0101	James Archsmith	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	ESJ 2309

AREC388 **Internship Experience**

(Perm req)

Credits: 1-6 Grading Method: Regular

Internship experience in agricultural, environmental or resource economics.

Contact department for information to register for this course.

AREC389 **Special Problems**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Concentrated reading and study in some phase of a problem in agricultural and/or natural resource economics.

Contact department for information to register for this course.

AREC399 **Undergraduate Research**

Credits: 3-6 Grading Method: Regular

Research in agricultural, environmental or resource economics under the direction and close supervision of a member of the AREC faculty.

Contact department for information to register for this course.

AREC430 **Introduction to Agricultural and Resource Law**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: ECON326 or AREC326. Credit only granted for: AREC430 or AREC489K. Formerly: AREC489K.

Survey of law with emphasis on problems and applications related to agricultural and natural resource economics. The course emphasizes strategies for managing legal risk arising from ownership, management, and use of agricultural resources. Students will get practical information to utilize in personal or professional settings. Contract law, constitutional law, tort law, property law, real estate transactions, business organization, estate planning, and debtor.

0101	Paul Goeringer	Seats (Total: 80)
	MWF 10:00am - 10:50am	SYM 0200

AREC445 **Agricultural Development, Population Growth and the Environment**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | , D | General Education: DVUP

Prerequisite: ECON326 or AREC326; or students who have taken courses with comparable content may contact the department.

Development theories, the role of agriculture in economic development, the agricultural policy environment, policies impacting on rural income and equity, environmental impacts of agricultural development.

0101	Cory Smith	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	TWS 0201

AREC447 **The Economy of China**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: AREC326, ECON306, or ECON326.

An introductory survey course of economic development in China with emphasis on understanding the process of economic reform in mainland China since 1978.

0101	Jing Cai	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	MCB 1207

AREC453 **Natural Resources and Public Policy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: AREC326, ECON306, or ECON326; and (BMGT230 or ECON230). Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Agricultural and Resource Economics: Agribusiness; Agricultural and Resource Economics: Environmental and Resource Economics; Economics Bachelor of Arts; Environmental Science & Policy-Env Economics; Social Data Science-Economics; Economics minor). Cross-listed with: ECON453. Credit only granted for: AREC453 or ECON453.

Rational use and reuse of natural resources. Theory, methodology, and policies concerned with the allocation of natural resources among alternative uses. Optimum state of conservation, market failure, safe minimum standard, and cost-benefit analysis.

0101	Cory Smith	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	TWS 0201

AREC455 **Economics of Land Use**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (AREC326, ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, ECON321, BMGT230). Cross-listed with: ECON485. Credit only granted for: AREC455 or ECON485.

Fundamentals of location theory. Microeconomics of land use decisions, including determination of rent and hedonic pricing models. Impacts of government decisions on land use, including regulation (e.g., zoning), incentives (transferable development rights), provision of public services, and infrastructure investments. Impacts of land use on environmental quality, including issues relating to sprawl, agricultural land preservation, and other topics of special interest.

0101	David Newburn	Seats (Total: 100)
	TuTh 3:30pm - 4:45pm	SHM 2102

AREC481 **Environmental Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (AREC326, ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, ECON321, BMGT230). Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Agricultural and Resource Economics: Agribusiness; Agricultural and Resource Economics: Environmental and Resource Economics; Economics Bachelor of Arts; Environmental Science & Policy-Env Economics; Social Data Science-Economics; Economics minor). Cross-listed with: ECON481. Credit only granted for: ECON481 or AREC481.

An exploration of the use of economic incentives for protection of the environment and the determination of appropriate (or efficient) level of environmental quality. Also covers the choice of policy instruments for the attainment of environmental standards.

0101	Maureen Cropper	Seats (Total: 38)
	MW 3:30pm - 4:45pm	TYD 2106

AREC499 **Honors Thesis Research**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail, Audit

Undergraduate honors thesis research conducted under the direction of an AGNR faculty member in partial fulfillment of the requirements of the College of AGNR Honors Program. The thesis will be defended to a faculty committee.

Contact department for information to register for this course.

AREC620 **Optimization in Agricultural and Resource Economics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed Multivariate calculus and matrix or linear algebra.

Mathematical theory of static and dynamic optimization as applied to the economics of agriculture, natural resources and the environment. Topics include necessary and sufficient conditions for constrained optimization, convexity and concavity, duality and the envelope theorem, comparative statics, fixed point theorems, optimal control theory and dynamic programming.

0101	Lars Olson	Seats (Total: 25)	
	W 4:30pm - 7:15pm	SYM 0215	
	W 9:45am - 11:00am	SYM 0209	Discussion

AREC623 **Applied Econometrics I**

Credits: 4 Grading Method: Regular, Audit

Prerequisite: Introductory statistics or econometrics, linear algebra, and differential/calculus; or permission of instructor. Additional information: Intended for first-year Ph.D. students from AREC, BUFN, ECON, EDMS, EDUC, PLCY and URSP departments with a background in introductory statistics or econometrics.

A modern introduction to empirical strategies in applied microeconomic research in public policy, development economics, labor economics, education, marketing and corporate finance. Emphasis on causal reasoning and design-driven identification in the social sciences. Concepts and applications will focus on addressing economically meaningful causal questions. Basic theoretical and mathematical aspects of probability and statistics will be developed to assess the significance of the relationship among economic variables. Topics include: the approximation of the conditional expectation function through a linear predictor (Ordinary Least Squares), the effects of omitted variables and the usefulness of variables that resemble the outcome of a randomized experiment (Instrumental Variables), as well as extensions to high-dimensional big-data counterparts. Fundamental concepts in sampling theory, statistical inference (with small and large samples) and hypothesis testing will be studied and applied to real data using Stata, a general-purpose statistical software.

0101	Erich Battistin	Seats (Total: 35)	
	TuTh 11:00am - 1:00pm	SYM 0215	
	F 3:00pm - 5:00pm	SYM 0215	Discussion

AREC699 **Special Problems in Agricultural and Resource Economics**

(Perm req)

Credits: 1-2 Grading Method: Regular, Audit

Intensive study and analysis of specific problems in the field of agricultural and resource economics, providing in-depth information in areas of special interest to the student.

Contact department for information to register for this course.

AREC785 **Advanced Economics of Natural Resources**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of AGNR-Agricultural & Resource Economics department; or (ECON603 and AREC623). Cross-listed with: ECON785. Credit only granted for: AREC785 or ECON785.

The use of exhaustible and renewable natural resources from normative and positive points of view. Analysis of dynamic resource problems emphasizing energy, mineral, groundwater, forestry, and fishery resources; optimal, equilibrium, and intergenerational models of resource allocation.

0101	James Archsmith	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	SYM 0209

AREC799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

AREC829 **Policy Design and Causal Inference for Social Science**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

A course in applied econometrics that examines empirical strategies in applied microeconomic research used to estimate the effects of a policy or program on the outcomes of interest in fields like public policy, development economics, labor economics, education, marketing and corporate finance, as well as in industry and international organizations. Methods in applied econometrics with a focus on the thought experiment, the hypothetical experiment that should be used to answer the causal question of interest. A taxonomy of departures from the experimental ideal is presented, as well as the assumptions required to mimic the conditions of the unfeasible experiment from observational data. Topics include regression and matching, instrumental variables and natural experiments, differences-in-differences, change-in-changes, synthetic control methods and regression discontinuity designs. Causal parameters defined from conditional moments, and quantiles and effects on conditional distributions (for inequality and poverty assessment) are considered. Stata, a general-purpose statistical software widely used by applied economists, is used to develop concepts and applications.

0101	Erich Battistin	Seats (Total: 25)
	Tu 3:30pm - 6:00pm	SYM 0209

AREC844 **Firm Growth in Developing Countries**

Credits: 3 Grading Method: Regular

Prerequisite: A one-year PhD-level sequence in microeconomics and a PhD-level course in econometrics.

A study of the growth of firms face in developing countries and interventions/policies that can be used to remove barriers to growth, including issues related to management, credit constraints, political connections, misallocation and trade.

0101	Jing Cai	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	SYM 0209

AREC891 **Introduction to Prospectus Development**

Credits: 1 Grading Method: Regular, Audit

Prerequisite: Completion of the first year of graduate study in AREC. Credit only granted for: AREC 869K or AREC 891. Formerly: AREC869K.

Critical evaluation of research, prospectus topic exploration including literature review, data identification, model development, and related presentations. Required of all second-year Ph.D. students.

0101	Erik Lichtenberg	Seats (Total: 10)
	TuTh 9:30am - 10:45am	SYM 2200B

AREC892 **Dissertation Prospectus Development**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Completion of two years of the AREC Ph.D. program. Credit only granted for: AREC 869P or AREC 892. Formerly: AREC869P.

Presentations of proposed dissertation research including literature review, model development, data identification, and written prospectus development. Required of all third-year Ph.D. students.

0101	Erik Lichtenberg	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SYM 2200B

AREC898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Sat-Fail

Contact department for information to register for this course.

AREC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ARHU Arts and Humanities Fall 2025

ARHU158D **Explorations in Arts and Humanities; Mapping Biographies of the Enslaved in America**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSSP

A first-year innovation and research experience. It introduces multiple disciplinary perspectives within a given theme to understand human beings, cultures and societies. Students will learn about key questions, concepts, methods, and practices within ARHU and will engage in original humanistic research while working with campus and college tools and resources.

Restricted to first semester first year students in the College of Arts and Humanities. This course engages students in first-hand archival, historical, and digital work on the history of enslavement in America so that we might better understand its long-reaching effects. Students will work with public databases and biographical materials in an effort to recover what we can of the histories of the enslaved and the industries of enslavement. Though this course takes a broad approach to American slavery, we will also pay special attention to the history of slavery in Maryland.

0101	Robert Lucci	Seats (Total: 25)
	TuTh 9:30am - 10:45am	JMZ 0125

ARHU158I **Explorations in Arts and Humanities; How to Panic Productively**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSSP

A first-year innovation and research experience. It introduces multiple disciplinary perspectives within a given theme to understand human beings, cultures and societies. Students will learn about key questions, concepts, methods, and practices within ARHU and will engage in original humanistic research while working with campus and college tools and resources.

Restricted to first semester first year students in the College of Arts and Humanities. Does it sometimes feel like the world is falling apart? With a variety of crises facing humanity, it can be easy to give in to existential dread. In this course, we will seek to uncover ways to embrace panic as a productive exercise in humanizing. Drawing from disciplines such as ethics, philosophy, history, and politics, we will explore ways to existin the liminal space between fear and action and consider how to channel feelings of panic or despair in a way that allows us to build a more humane society together.

0101	Robin Bedenbaugh	Seats (Total: 25)
	MW 3:30pm - 4:45pm	KEY 0125

ARHU158K **Explorations in Arts and Humanities; From Parasite to Mutualist: Redesigning Human Relations with Earth**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSSP

A first-year innovation and research experience. It introduces multiple disciplinary perspectives within a given theme to understand human beings, cultures and societies. Students will learn about key questions, concepts, methods, and practices within ARHU and will engage in original humanistic research while working with campus and college tools and resources.

Restricted to first semester first year students in the College of Arts and Humanities. How can human societies shift from parasitic to mutualistic environmental behaviors? This interdisciplinary course examines paths to solve our great challenges: climate change and habitat degradation caused by fossil fuels and rampant consumer culture. Themes include evolutionary mutualism, group selection, permaculture, Indigenous knowledge, post-petroculture, closed loops, and zero waste. These mutualisms reveal how humanist subjects like identity, culture, narrative, and environmental injustice affect our relationship with Earth. Creative assignments and guest speakers will inform in-depth projects that redesign parasitisms to be mutualisms in green infrastructure, sustainable agriculture, greenwashing, environmental psychology and sociology, and creative "righting."

0101	Heidi Scott	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 1120

ARHU158M **Explorations in Arts and Humanities; Theatre as a Tool for Societal Transformation**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSSP

A first-year innovation and research experience. It introduces multiple disciplinary perspectives within a given theme to understand human beings, cultures and societies. Students will learn about key questions, concepts, methods, and practices within ARHU and will engage in original humanistic research while working with campus and college tools and resources.

Restricted to first semester first year students in the College of Arts and Humanities. Because theatre is a live, character-driven art form, it is uniquely situated to encourage audience members and collaborators to put themselves in someone else's shoes and empathetically engage with different backgrounds and perspectives. Theatre can be a powerful tool to wrestle with the great societal and political challenges of our times, and pave the way for societal transformation. Through field trips to see productions at DC-area professional theatres, guest artist visits, play analysis and creative projects, students will gain firsthand knowledge of the creative roles in theatre, including the contributions and processes of a director, designer, actor, and playwright.

0101	Jennifer Newsham	Seats (Total: 25)
	TuTh 1:30pm - 2:45pm	PAC 1809

ARHU158N **Explorations in Arts and Humanities; The Art of Public Health**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSSP

A first-year innovation and research experience. It introduces multiple disciplinary perspectives within a given theme to understand human beings, cultures and societies. Students will learn about key questions, concepts, methods, and practices within ARHU and will engage in original humanistic research while working with campus and college tools and resources.

Restricted to first semester first year students in the College of Arts and Humanities. Artists explore and document public health disparities by collectively creating a multiverse of expression. Public health offers a technical framework to address the challenges faced in the United States and beyond. Artists, over the ages, have expanded our understanding of health inequities through advocacy and giving voice to the experiences of marginalized communities. Through literature, film, music and visual art, students will explore the power and essentiality of the humanities in public health.

0101	Michelle Moncrieffe	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	ASY 3215

ARHU158R **Explorations in Arts and Humanities; We Are the World: The Arts and Humanities of a Single Song**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSSP

A first-year innovation and research experience. It introduces multiple disciplinary perspectives within a given theme to understand human beings, cultures and societies. Students will learn about key questions, concepts, methods, and practices within ARHU and will engage in original humanistic research while working with campus and college tools and resources.

Restricted to first semester first year students in the College of Arts and Humanities. We will explore the cultural, artistic, and humanitarian significance of the 1985 charity single "We Are the World." Written by Michael Jackson and Lionel Richie and performed by an unprecedented ensemble of major American artists, the song served as a powerful artistic response to the Ethiopian famine. We will situate "We Are the World" within broader conversations about celebrity activism, media spectacle, and the role of the arts in global humanitarian efforts. Students will consider how the song reflects the political and cultural climate of the 1980s, especially in relation to race, power, and global inequality. Drawing from disciplines such as musicology, history, cultural studies, literature, foreign policy, and ethics, the class invites students to think critically abouthow popular culture can inspire collective action and social awareness.

0101	Stephanie Shonekan	Seats (Total: 25)
	W 1:00pm - 3:30pm	TLF 0103

ARHU158W **Explorations in Arts and Humanities; Language and Antiracism**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSSP

A first-year innovation and research experience. It introduces multiple disciplinary perspectives within a given theme to understand human beings, cultures and societies. Students will learn about key questions, concepts, methods, and practices within ARHU and will engage in original humanistic research while working with campus and college tools and resources.

Restricted to first semester first year students in the College of Arts and Humanities. This sociolinguistics seminar is addressed to incoming ARHU majors, particularly those seeking a degree that will allow them to teach any language (including both L1 and L2) at any educational level. It is anchored in a critical interdisciplinary approach -- sociolinguistics, applied linguistics, Hispanic applied linguistics, linguistic anthropology, sociology, social psychology, race studies, Latinx studies, language acquisition, education, Hip-Hop studies -- that emphasizes the social, political and ideological dimensions of language. Its objective is to raise linguistic awareness through the implementation of antiracist language teaching methods in the language classroom.

0101	Jose Magro	Seats (Total: 25)
	MW 2:00pm - 3:15pm	JMZ 3203

ARHU230 **Introduction to Humanities, Health, and Medicine**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Restriction: Permission of ARHU-History Department. Cross-listed with: ENGL254, HIST219N, WGSS230. Credit only granted for: ARHU230 , ENGL289C, ENGL254, ARHU298A, HIST219N, or WGSS230.

An overview of the historical, cultural, ethical, and spiritual dimensions of medicine, human health, disease, and death from the points of view of various humanistic disciplines.

For information on registration, please email hhmminor@umd.edu.

0101	Jessica Mathiason MW 2:00pm - 3:15pm	Seats (Total: 20) SQH 1121

ARHU240 **Arts Organizations and Audiences in the United States**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Cross-listed with: TDPS240. Credit only granted for: TDPS258C, TDSP240 or ARHU240. Formerly: TDPS258C.

An introduction to the history and role of arts organizations in the U.S., as well as the respective audiences and populations they serve. This grounding allows artists and emerging administrators to understand the events and questions that have shaped the field, and develop strategies for advancing sustainable arts organizations in the future.

0101	Ed Spitzberg Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 15) ONLINE PAC 1815

ARHU269M **Special Topics in Study Abroad II; Sicily Against the Mafia**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ARHU269P **Special Topics in Study Abroad II; Mystery Paintings**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ARHU269V **Special Topics in Study Abroad II; Vienna and Budapest Field Study**

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ARHU275 **Writing for the Stage and Screen: An Introductory Workshop**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSHU, DSSP

Cross-listed with: ENGL275. Credit only granted for: ENGL275 or ARHU275.

Introduction to the theory and practice of scriptwriting with an opportunity to read, view, evaluate, write, and revise texts meant to be performed. Students will practice writing for the stage, film, and television and also examine selected scripts, performances, and film and television clips as models for their own creative work. Students will complete frequent writing exercises, participate in workshops, and learn to apply scholarship to the analysis and critique of scripts.

0101	Jay Wilcox MWF 9:00am - 9:50am	Seats (Total: 15) KEY 0123
0102	Jay Wilcox MWF 9:00am - 9:50am *This section is restricted to students in the Jimenez-Porter Writers' House.*	Seats (Total: 5) KEY 0123
0201	Paul Cote MWF 10:00am - 10:50am	Seats (Total: 20) KEY 0123

ARHU286 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Minimum cumulative GPA of 2.5; and must be in a major or minor in ARHU - College of Arts and Humanities.

Designed for students who are in their first semester at the University of Maryland and/or students who wish to complete legislative internships, some start-up internships and some remote internships. All students must be enrolled in an ARHU major or minor and the internship must be in one of the academic fields covered within the College of Arts and Humanities. In addition to completing their required hours on site, students will be required to attend three bi-weekly seminars at the beginning of the semester to help develop their para-professional goals and understandings.

0101	Paula Nadler, Jeffrey Kodis Contact instructor or department for details.	Seats (Total: 5)

ARHU300 **Writers' House Colloquium: Welcome to Writers' House; Writing Your Manifesto**

(Perm req)

Credits: 1 Grading Method: Regular

Restriction: Must be in the Jimenez-Porter Writers' House Living-Learning Program.

Welcomes new students into Jimenez-Porter Writers' House, a literary center for the study of creative writing across cultures and languages, and helps them to understand, develop and write their own artist statement (aka Artist Manifesto). Students will explore the creative and intellectual traditions of our community, their craft and future careers, understand what these traditions are, how they have evolved over time and place, and why they matter. Emphasis will be placed on community building, engagement and participation, with presentations from the editorial staff of Stylus, executive board of Terpoets, Novelist Support Group as well as other professional development opportunities.

0101	Ross Angelella, Oludolapo Demuren W 3:00pm - 4:15pm	Seats (Total: 25) JMZ 0125

ARHU309 **Writers' House Colloquium: Creative Writing in Community**

(Perm req) Credits: 1 Grading Method: Regular

Colloquium designed to improve students' skills in literary and communication arts through lectures, workshop and discussions on the history and craft of writing across cultures. Topics include poetry and fiction in translation, and exploration of modes of critique, elements of craft of fiction and poetry, writing for different media, genre writing, writing for performance, screen or scriptwriting and creative non-fiction.

Restricted to Jimenez-Porter Writers' House students.

0201	January Santoso W 6:00pm - 7:15pm	Seats (Total: 15) QAN 1132
	First-year poetry workshop. An exploration of poetry that embodies the aesthetics, politics & attitudes of punk. We will engage with themes of anti-authoritarianism, anti-capitalism, anti-racism & sex positivity through subversive modes of poetic expression, while considering how poets challenge literary & cultural norms. The final project will be a DIY mini-zine of students poems.	
0301	Elizabeth Bryant W 4:30pm - 5:45pm	Seats (Total: 15) QAN 1132
	First-year prose and fiction workshop. Takes a look at writers who choose to tell stories in another time. We will be reading and writing work that develops in a past, future, or dimensional space alternative to the native time of the author. Throughout this process we will be asking which mechanisms are useful in making these jumps in time: What is the role of research in the process of writing historical fiction? How do you construct a believable setting when writing in a world that you have not experienced? How do you make time felt in a dimension that you are imagining out of thin air? Always working torender theory into practice, we are going to write experimentally in nearly every class, with prompts designed to bring even our most serious efforts into a space of play.	

ARHU319D **Writers' House Second Year Colloquium: Form and Theory of Creative Writing; Exploring the Contemporary Revolution in Poetic Practice**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSHU, DSSP

Required course for Writers' House students pursuing the notation program. Offered in either poetry or imaginative prose writing. Students work at the intermediate level, refining creative writing skills through cross-cultural reading and writing exercises. As part of the course, students attend a series of lectures and readings given by professional writers.

Restricted to Jimenez-Porter Writers' House students.

0101	Laura Lauth Th 5:30pm - 8:00pm	Seats (Total: 15) QAN 1132

ARHU338 Undergraduate Teaching Assistantship in a Living Learning Program

(Perm req)

Credits: 3 Grading Method: Regular

Offers exceptional students the opportunity to work closely with a faculty member and gain valuable experience. ARHU Living learning program UTAs also serve as peer mentors and program leaders. They assist with course planning, research, and student advising (as appropriate). We are also allowing for variable credit (1-3 cr hrs).

Restriction: Sophomore standing or higher; and must be in an ARHU Living Learning Program or be a graduate of the program; and must have permission of the Living Learning Program to enroll. Repeatable to 6 credits if content differs. Offers exceptional students the opportunity to work closely with a faculty member and gain valuable experience. ARHU Living learning program UTAs also serve as peer mentors and program leaders. They assist with course planning, research, and student advising (as appropriate). We are also allowing for variable credit (1-3 cr hrs).

0101	Ross Angelella Contact instructor or department for details.	Seats (Total: 10)
0102	Damien Pfister Contact instructor or department for details.	Seats (Total: 4)

ARHU340 Arts Entrepreneurship and the Creative Profession

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Recommended: ARHU240. Cross-listed with: MUSC448E. Credit only granted for: ARHU340 or MUSC448E.

Introduces students to arts entrepreneurship in preparation for diverse and ever-changing careers in the creative fields. Students will practice and develop their entrepreneurial mindsets and learn about different frameworks for audience engagement. Topics include financial management, revenue development, business planning, and the "need-to-knows" of the gig economy. Throughout the semester, students will have the opportunity to learn from a variety of entrepreneurs in the arts and to evaluate their future career paths.

0101	Elizabeth Schurgin TuTh 9:30am - 10:45am	Seats (Total: 13) PAC 1809
	Reserved for Arts Leadership Minors; please contact ARHU-School of Theatre, Dance, and Performance Studies for permission to register.	
0102	Elizabeth Schurgin TuTh 9:30am - 10:45am	Seats (Total: 13) PAC 1809

ARHU358 **Becoming Worldwise and Worldready: Finding Success in College and Life**

Credits: 1 Grading Method: Regular, Pass-Fail

Designed to help students navigate the various resources that exist at a large, Research 1 university like the University of Maryland. The course focus is helping them better understand the groundwork needed to transition successfully from underclassman to upperclassman, from an outside major into ARHU or from an external school to UMD, and ultimately from college into life post-graduation.

Restriction: Must be enrolled in a major in the College of Arts and Humanities. Repeatable to 3 credits if content differs. Designed to help students navigate the various resources that exist at a large, Research 1 university like the University of Maryland. The course focus is helping them better understand the groundwork needed to transition successfully from underclassman to upperclassman, from an outside major into ARHU or from an external school to UMD, and ultimately from college into life post-graduation.

0101	Tiara Lowe, Jeffrey Kodis, Kate Juhl, Paula Nadler **Meets September 2, 2025 - October 24, 2025** Class time/details on ELMs	Seats (Total: 20) ONLINE
	This section will be online and asynchronous, with one online, synchronous session.	

ARHU375 **The TV Writers Room Screenwriting for Television and Video**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSSP

Prerequisite: ARHU275, ARHU318, or FILM370; and permission of instructor. Additional information: Priority in enrollment will be given to students participating in the Jimenez-Porter Writers' House and Cinema & Media Studies programs.

Students engage with the theory and practice of screenwriting for television and video. Students read and watch teleplays designed to teach advantages of the television format. Students apply what they learn to prepare frequent writing exercises, share and provide feedback for peers scripts in a workshop format, and work together as a Writers Room to prepare an original pilot episode.

0101	Oludolapo Demuren Tu 3:30pm - 6:00pm	Seats (Total: 15) TWS 0223

ARHU376 **Writing the Feature Film**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: ENGL275, ARHU275, ARHU375 or THET340; or permission of instructor. Cross-listed with: CINE376. Credit only granted for: ARHU376 or CINE376.

Examines the creative process of developing and writing a feature-length screenplay. Students will experience a collaborative workshop environment, researching stories, pitching feature film ideas, creating a logline, developing a detailed beat sheet and, ultimately, writing a complete first draft of the screenplay.

0101	Ross Angelella Tu 3:30pm - 6:00pm *Priority given to Cinema and Media Studies majors.*	Seats (Total: 15) JMZ 3203
0102	Ross Angelella Tu 3:30pm - 6:00pm *Restricted to students in the Jimenez-Porter Writers' house.*	Seats (Total: 5) JMZ 3203

ARHU386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail General Education: DSSP

Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Junior standing or higher.

0101	Jeffrey Kodis, Paula Nadler Contact instructor or department for details.	Seats (Total: 30)
0201	Jeffrey Kodis, Paula Nadler Contact instructor or department for details. *This section is intended for students engaging in research-based internships.*	Seats (Total: 5)
0301	Susan Miller Contact instructor or department for details. *This section is restricted to students enrolled in the Arts Leadership Minor.*	Seats (Total: 3)

ARHU441 **Arts Entrepreneurship: Theory and Practice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARHU240 or TDPS240; or permission of instructor. Recommended: ARHU440 or TDPS440. Restriction: Limited to 4 undergraduate students (2 in ARHU and 2 in TDPS). Cross-listed with: TDPS441. Jointly offered with: ARHU640, TDPS640. Credit only granted for: TDPS458E, ARHU441, TDPS441, ARHU640 or TDSP640. Formerly: TDPS458E.

Establishes arts entrepreneurship as a unique discipline with the goal of connecting creative initiatives (products, artforms, and programs) to audiences, resources, and communities. Introduces students to the ways in which creative initiatives both create value and offer solutions to social, political, environmental, and cultural issues. Students will develop artist impact statements and identify different contexts and ways to apply their talents and creative initiatives in society.

0101	Kate Keeney	Seats (Total: 2)
	TuTh 11:00am - 12:15pm	PAC 1924

ARHU458 **Graduate School Preparation**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Designed for Juniors and Seniors in the College of Arts and Humanities who are interested in applying to graduate school. Topics include skills needed for the graduate school search and application process, evaluation and reflection of application materials, interview and essay preparation, and exploration into career options after graduate school. Focus is on the Arts and Humanities fields, and is not necessarily intended for students planning on attending professional school (law school, medical school, etc.). The course is also not intended for students who are already participating in a Plus-1 program.

Restriction: Must have earned a minimum of 60 credits. Repeatable to 3 credits if content differs. Designed for Juniors and Seniors who are interested in applying to graduate school. Topics include skills needed for the graduate school search and application process, evaluation and reflection of application materials, preparation for GRE exam, and exploration into career options after graduate school. Focus on the Humanities fields.

0101	Paula Nadler	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ARHU468A **Peer Mentoring Program; Arts and Humanities' Ambassador Program**

(Perm req)

Credits: 1 Grading Method: Regular

A workshop for sophomore, junior or senior students who wish to serve as peer mentors helping first-year students to cope with the numerous issues which often arise in the transition to the university.

Restricted to current ARHU students who will serve as ambassadors for the College of Arts and Humanities.

0101	Jessica Krenek	Seats (Total: 20)
	M 4:00pm - 5:30pm	KEY 0100
0102	Jessica Krenek	Seats (Total: 8)
	Class time/details on ELMs	ONLINE

ARHU486 **Internship Practicum in Arts and Humanities**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail

Prerequisite: Have completed previous internship at U of MD. Restriction: Must be in a major in ARHU-College of Arts & Humanities; and permission of ARHU-College of Arts & Humanities; and minimum cumulative GPA of 2.5; and must have earned a minimum of 60 credits; and completed 12 credits at U of MD.

An internship intended for students who have already completed an internship for credit. ARHU486 must be a different experience from the internship students have already taken for credit. Generally students intern with a different company, but they may continue working for the same company if the job is significantly different. See ARHU internship coordinator for details.

0101	Jeffrey Kodis, Paula Nadler Contact instructor or department for details.	Seats (Total: 25)

ARHU489 **Advanced Internship Practicum in ARHU**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail

Designed for students who have already completed at least 2 upper level internship courses for academic credit. It is an advanced practicum to assist students in continuing to develop and hone their professional writing, presentation and analytical skills.

Prerequisite: Permission of the College of Arts and Humanities.

0101	Paula Nadler Contact instructor or department for details.	Seats (Total: 2)
0201	Ruth Phillips Contact instructor or department for details. *This section is restricted to students enrolled in the Penguin Random House Internship Program.*	Seats (Total: 15)

ARHU640 **Arts Entrepreneurship: Theory and Practice**

Credits: 3

Grading Method: Regular, Audit

Cross-listed with: TDPS640. Credit only granted for: ARHU640, TDPS640, or THET669U. Formerly: THET669U.

Establishes arts entrepreneurship as a unique discipline with the goal of connecting creative initiatives (products, artforms, and programs) to audiences, resources, and communities. Introduces students to the ways in which creative initiatives both create value and offer solutions to social, political, environmental, and cultural issues. Students will develop artist impact statements and identify different contexts and ways to apply their talents and creative initiatives in society.

0101	Kate Keeney TuTh 11:00am - 12:15pm	Seats (Total: 4) PAC 1924

ARMY Army Fall 2025

ARMY106 **Basic Military Science I**

Credits: 3 Grading Method: Regular

Restriction: Students must meet Officer candidate criteria to participate in field training.

Introduction to the personal challenges and competencies that are critical for effective leadership and communication. Develops knowledge and competency in physical fitness through rigorous training and experiential leadership education through leadership laboratories.

0101	Andrew Bischoff TuTh 11:00am - 12:15pm	Seats (Total: 31) KEY 0103
0102	Andrew Bischoff MWF 9:00am - 9:50am	Seats (Total: 40) SYM 0200
FC01	Andrew Bischoff TuTh 11:00am - 12:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 15) KEY 0103
FC02	Andrew Bischoff MWF 9:00am - 9:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 9) SYM 0200

ARMY110 **Intro to Army Military History**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Army ROTC program.

This course is composed of 46 modules, including 43 lessons and 3 exams, covering military history from early colonial warfare in the eighteenth century to the global war on terrorism in the twenty-first century. The course begins with a pretest, which provides the learner with insight into what will be covered in the course and an opportunity to gauge their knowledge coming into the course. Each lesson will include readings and an Interactive Multimedia Instruction (IMI) piece. Discussion activities, writing assignments, and midterm and final exams will allow students to synthesize what they have learned.

0101	Andrew Bischoff TuTh 12:30pm - 1:45pm	Seats (Total: 15) ARM 0108

ARMY201 **Army Leadership Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Sophomore standing or higher.

This course is an intensive examination of the Army Leadership Model in practice. The model is compared to leadership styles and techniques from government and industry and the comparative effectiveness of each. Students form their own personal leadership styles.

0102	Andrew Bischoff	Seats (Total: 35)	
	TuTh 12:30pm - 1:45pm	MMH 1304	

ARMY301 **Advanced Military Leadership I**

Credits: 3 Grading Method: Regular

Reinforces understanding and application of Army leadership strategies, critical decision making methodologies, physical and mental fitness excellence. Includes a laboratory period in applied leadership, common military tasks and physical fitness.

0101	Andrew Bischoff	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	TYD 1132	
	Th 4:00pm - 6:00pm	ARM 0135	Lab
	MWF 6:30am - 7:30am	ARM 0126	Lab

ARMY401 **Advanced Military Leadership III**

Credits: 3 Grading Method: Regular

Introduces contracted students to the study of Army structure, practices and processes exercised by Army Commanders and Staff in completing personnel, logistics, training and combat operations. Includes a laboratory in applied leadership skills and two field exercises.

0101	Andrew Bischoff	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	Location: TBA	
	Th 4:00pm - 6:00pm	Location: TBA	Lab
	MWF 6:30am - 7:30am	Location: TBA	Lab
0102	Andrew Bischoff	Seats (Total: 50)	
	Tu 6:00am - 9:25am	ARM 0126	

ARSC Air Science Fall 2025

ARSC059 **Air Force Officer Lab**

Credits: 1 Grading Method: Sat-Fail

Offers Air Force ROTC cadet officer's practical experience in military leadership, management, organization, and customs. May include visits to military installations, weekend laboratories, and flight orientation.

Class will have online meetings with an option to meet face-to-face. See instructor for details. Restriction: Must be an AFROTC cadet. Repeatable to 10 credits if content differs. Formerly: ARSC159. Additional information: This course does not carry any credit toward any degree at the University.

0101	Kathryn Love, Nathan Rabe Th 6:00am - 8:50am	Seats (Total: 220) ARM 0126	Lab
FC01	Nathan Rabe, Kathryn Love Th 7:00am - 8:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 10) ARM 0126	Lab

ARSC100 Heritage and Values I

Credits: 1 Grading Method: Regular

Corequisite: AFROTC cadets must also register for ARSC059.

Freshman course for AFROTC cadets. Introduces students to the United States Air Force and encourages participation in Air Force Reserve Officer Training Corps. Featured topics include: overview of ROTC, special programs offered through ROTC, mission and organization of the Air Force, brief history of the Air Force, introduction to leadership and leadership related issues, Air Force Core Values, Air Force officer opportunities, and an introduction to communication studies. Leadership laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

An elective but required for freshmen desiring the four-year AFROTC program.

0101	Alan Snyder Tu 9:00am - 9:50am	Seats (Total: 50) ARM 0135
0102	Alan Snyder Th 9:00am - 9:50am	Seats (Total: 75) ARM 0135
0103	Alan Snyder Th 1:00pm - 1:50pm	Seats (Total: 48) HJP 2242
FC01	Alan Snyder Th 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 10) HJP 2242
FC02	Alan Snyder Th 9:00am - 9:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 10) ARM 0135

ARSC200 **Team and Leadership Fundamentals I**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Corequisite: AFROTC cadets must also register for ARSC059.

Sophomore course for AFROTC cadets. Study of factors contributing to the development of air power from its earliest beginnings through two world wars; the evolution of air power concepts and doctrine; introductory leadership; and assessment of communicative skills.

0101	Kathleen West Th 10:00am - 10:50am	Seats (Total: 50) ARM 0135
0102	Kathleen West Th 2:00pm - 2:50pm	Seats (Total: 35) SYM 0215
0103	Kathleen West Tu 10:00am - 10:50am	Seats (Total: 40) ARM 0135

ARSC300 **Leading People and Effective Communication I**

(Perm req)

Credits: 3 Grading Method: Regular

Corequisite: AFROTC cadets must also register for ARSC059; or permission of UGST-AFROTC-Air Science. Restriction: Junior standing or higher.

The study of leadership and management fundamentals, professional knowledge, Air Force doctrine, and written and oral communication skills. Case studies are used to examine leadership and management situations. This course will satisfy credit toward a minor in military studies.

0101	Kathryn Love Th 9:00am - 11:50am	Seats (Total: 30) ATL 1114
0102	Kathryn Love TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 1103

ARSC400 **National Security and Preparation for Active Duty I**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Permission of UGST-AFROTC-Air Science; or (ARSC300 or ARSC301). Corequisite: ARSC059; or permission of UGST-AFROTC-Air Science. Restriction: Senior standing.

Study of American national security policy and processes to include information and implementation, impact of major national and international actors, and development of major policy issues. This course will satisfy credit towards a minor in military studies.

0101	Joseph Herwatic Th 9:00am - 11:50am	Seats (Total: 30) ESJ B0320
0102	Joseph Herwatic TuTh 2:00pm - 3:30pm	Seats (Total: 20) TYD 1101
0201	Joseph Herwatic TBA	Seats (Total: 10) ARM 0108

ARTH Art History & Archaeology Fall 2025

ARTH169A **Special Topics in Study Abroad I; Roman Archaeology On-Site**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ARTH169B **Special Topics in Study Abroad I; Arts of Modernity**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ARTH169I **Special Topics in Study Abroad I; Art of Rome**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ARTH200 **Art and Society in Ancient and Medieval Europe and the Mediterranean**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA General Education: DSHU, DVUP

Examines the material culture and visual expressions of Mediterranean and European societies from early times until ca. 1300 CE, emphasizing the political, social, and religious context of the works studied, the relationships of the works to the societies that created them, and the interrelationship of these societies.

0101	Emily Egan TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) ASY 2203 ASY 3215	Discussion

0102	Emily Egan TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ASY 2203 ASY 3215	Discussion
0103	Emily Egan TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ASY 2203 ASY 3215	Discussion
0104	Emily Egan TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ASY 2203 ASY 3215	Discussion
0105	Emily Egan TuTh 11:00am - 11:50am Th 3:30pm - 4:20pm	Seats (Total: 25) ASY 2203 ASY 3211	Discussion
0106	Emily Egan TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ASY 2203 ASY 3211	Discussion

ARTH201 **Art and Society in the West from the Renaissance to the Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU, DVUP

Examines representative European and American works of art from the later Middle Ages to the present, highlighting the dynamic exchange between artistic and cultural traditions both within periods and across time.

FC01	Tony Cui MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) KNI 1103

ARTH261 **Monuments, Monumentality, and the Art of Memorial**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP, SCIS

Why do societies create monuments? And why do they preserve and destroy, change and remove them? How do monuments embody cultural values, shape historical narratives, and become sites of mourning and memory? This course investigates the political and cultural work of monuments across time and space, from the ancient world to European empires to the contemporary United States. The issues we consider include intercultural exchange and religious contexts, race and representation, and appropriation and iconoclasm.

0101	Tess Korobkin MW 12:00pm - 12:50pm F 8:00am - 8:50am	Seats (Total: 25) ASY 2309 ASY 3211	Discussion
0102	Tess Korobkin MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) ASY 2309 ASY 3211	Discussion
0103	Tess Korobkin MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) ASY 2309 ASY 3211	Discussion
0104	Tess Korobkin MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) ASY 2309 ASY 3211	Discussion

ARTH262 **Public Art**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DSSP

How does public art function on a university campus, in major cities, and across the United States? This course invites students to empirically study the modern history and civic values of public art spanning sculpture, painting, mixed-media, and installation. We consider the nature of public space, the politics of representation and community, and the civic and memorial functions of art. The course is built around a semester-long project in which students will commission a work of public art for our College Park campus.

0101	Abigail McEwen Tu 12:30pm - 3:00pm	Seats (Total: 24) MMH 0108	

ARTH265 **How (and Why) to Look at Art in the Era of Climate Change**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, SCIS

Credit only granted for: ARTH265 or ARTH465. Formerly: ARTH465.

How can art help us build the mindset necessary for fashioning a sustainable civilization? Paintings, photographs, films, novels, songs, and other creative works as they shape beliefs related to sustainability and justice.

0101	Joshua Shannon MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) ASY 2203 ASY 3215	Discussion

0102	Joshua Shannon MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 25) ASY 2203 ASY 3215	Discussion
0103	Joshua Shannon MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ASY 2203 ASY 3211	Discussion
0104	Joshua Shannon MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ASY 2203 ASY 3215	Discussion

ARTH269P **Special Topics in Study Abroad II; From Medieval to Contemporary: Exploring the Great Art and Architecture of Prague**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ARTH269R **Special Topics in Study Abroad II; Art of Renaissance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ARTH289A **Special Topics in Art History and Archaeology; Ethics of Art Museums**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in the visual arts to introduce students to the history of various modes of visual expression and communication.

Examines the art museum as a site of aesthetic contemplation, Cultural preservation, education, and business as we attempt to answer questions such as: Why were art museums established? What ethical questions might they raise for artists, museum professionals, and members of the public?

0101	Alison Singer MW 2:00pm - 3:15pm	Seats (Total: 25) ASY 3211

ARTH303 **Roman Art and Archaeology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, DVUP

Sites and monuments of painting, sculpture, architecture, and the minor arts from the earliest times through the third century A.D. with emphasis on the Italian peninsula from the Etruscan period through that of Imperial Rome.

0101	Maryl Gensheimer TuTh 11:00am - 12:15pm	Seats (Total: 25) ASY 3211

ARTH305 Archaeological Methods and Practice

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHS

Prerequisite: ANTH240, ARTH200, CLAS180, or CLAS190. Cross-listed with: ANTH305, CLAS305, JWST319Y. Credit only granted for: ANTH305, ARTH305, CLAS305, or JWST319Y.

A team-taught, interdisciplinary course discussing theories, methods, and ethical issues in the practice of archaeology.

0101	George Hambrecht TuTh 2:00pm - 3:15pm	Seats (Total: 35) KEY 0126

ARTH313 Medieval Art: Cultural Exchanges in the Byzantine World

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP

Recommended: ARTH200 or ARTH201.

Focuses on the art and architecture from the eastern Mediterranean, specifically, the Byzantine empire. Our broad focus will be on the formation and evolution of the visual arts in Byzantium as a result of exchanges with various cultural, ethnic, and religious entities and traditions. In this context, we will be looking at the legacy of the Graeco-Roman past, contacts with Islamic world, as well as with people and cultures along the periphery of Byzantium: from the Balkan peninsula, to Sicily and Russia.

0101	Aneta Georgievska-Shine TuTh 2:00pm - 3:15pm	Seats (Total: 25) ASY 3215

ARTH351 Picturing Contemporary Life: Art Since 1945

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Visual art since 1945, with an emphasis on North America and Europe.

0101	Raino Isto Tu 4:30pm - 7:00pm	Seats (Total: 25) ASY 3211

ARTH359E Film as Art; Film as Dream

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

The study of film as a visual art, from theoretical, cultural and aesthetic perspectives. Content varies by semester.

The course first considers film created by the original Surrealists and their exploration of the unconscious and the freedom and language of dreams. Then psychological and philosophical dream theories will be applied to more recent and mainstream film to reveal structures and subtext in films from directors using elements of the Surreal including Lynch, Cronenberg, and Jodorowsky, and Svankmajer.

0101	Greg Metcalf	Seats (Total: 25)
	W 3:30pm - 7:00pm	ASY 4213A

ARTH369G **Special Topics in Study Abroad III; Art Gallery Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ARTH369P **Special Topics in Study Abroad III; History and Workshop of Latin America Photography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ARTH369Q **Special Topics in Study Abroad III; Patrons and Artists in Baroque Italy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ARTH386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail General Education: DSSP

Prerequisite: Permission of ARHU-Art History & Archaeology department. Restriction: Junior standing or higher.

Supervised internship experience in diverse areas of art historical, archaeological, and museological work.

Contact department for information to register for this course.

ARTH389R **Special Topics in Art History and Archaeology; North American Indigenous Modern and Contemporary Art**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Explores modern and contemporary art in North America by First Nations, Metis, and Inuit artists, focusing on a diverse range of artistic practices and their cultural significance. We will consider key aspects of the social and political lives of Indigenous peoples and the ways in which artists navigate and respond to the legacy of colonialism.

0101	Alison Singer	Seats (Total: 25)
	MW 4:00pm - 5:15pm	ASY 3211

ARTH389T **Special Topics in Art History and Archaeology; The Marks of the Maker: Art and Artists in the Medieval Islamic Mediterranean**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Throughout the medieval Islamic Mediterranean, individuals inscribed their names on a variety of media, ranging from rock cli?s to manuscripts to buildings. What can we learn about the lives of these people and the societies they lived in by looking at the objects they created? This course examines the artistic production of individuals in early medievalIslamicate societies, with an emphasis on the eighth through twelfth centuries.

0101	Sarah Slingluff	Seats (Total: 25)
	TuTh 9:30am - 10:45am	ASY 3215

ARTH392 **Contemporary Chinese Art and Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Cross-listed with: CINE337. Credit only granted for: ARTH392, FILM329L or CINE337. Formerly: FILM329L.

Contemporary Chinese art and film are arguably the most vibrant of all national arts at the turn of the millennium and have become the face - both figuratively and literally - of contemporary China, a complex society with historic overlays of Confucianism, Taoism, Buddhism, Communism, Post-socialism, and state capitalism. Students will consider a wide range of art forms (painting, photography, video, installation, web-based media, and film) in four broad themes (uses of the past; critiques of power; representations of race, gender, and sexuality; socially engaged art) and explore the complex intertwining of the political, historical, and aesthetic aspects in Chinese contemporary art and film, as well as the multiple contexts in which these artworks are created and circulated.

Cross-listed with FiLM329L. Credit only granted for ARTH392 or FILM329L.

0101	Jason Kuo	Seats (Total: 25)
	M 1:00pm - 3:30pm	ASY 4213A

ARTH488D **Colloquium in Art History; Art and Visual Culture of the Great Depression**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Colloquium to investigate a specific topic in depth.

During the Great Depression, skyrocketing economic inequality, environmental disasters, and social movements transformed American life. This class focuses on the visual culture of this period-from documentary photography and public murals to film and sculpture. In addition to examining iconic works by artists like Dorothea Lange and Diego Rivera, we will engage archives of photographs, posters, artist papers and other primary sources from the 1930s. In this way, students in this course will not only explore a critical era in American visual culture but also reflect on how we form and use archives to shape our understanding of the past.

0101	Tess Korobkin	Seats (Total: 14)
	M 2:00pm - 4:30pm	ASY 3215

ARTH488I **Colloquium in Art History; Living in the shadow of Vesuvius**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Colloquium to investigate a specific topic in depth.

When Mt. Vesufius erupted in 79 CE, Roman cities along the Bay of Naples, such as Pompeii and Herculaneum, were completely buried by volcanic debris. Elite retreats for leisure, such as the villas at Oplontis and Stabiae, were also destroyed. This course will rediscover the lost cities and ancient monuments on the Bay of Naples the temples, theaters, baths , streets, and many houses to understand the infrastructure and daily life of these ancient cities and spaces. Surveys of area archaeological sites will help to contextualize these monuments within their regional and cultural landscape. Material and information will also be drawn from UMD's excavations at Stabiae.

0101	Maryl Gensheimer	Seats (Total: 14)
	Tu 2:00pm - 4:30pm	ASY 3217

ARTH488Y **Colloquium in Art History; Art, Cinema, Law, Money**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Colloquium to investigate a specific topic in depth.

Examines the manners in which law and money constrained and directed the creation, circulation, distribution, and exhibition of art and cinema. Themes to be explored may include: cinematic representations of artists, bankers, and lawyers; how artists (such as Picasso and Zhang Daqian) achieved financial success and critical acclaim through courting of dealers, critics, collectors, and curators; art crimes (forgery, theft, looting, money laundering); how science fiction films were marketed in response to financial pressures; trials in which artists, artworks, and films acted as protagonists; censorship and self-censorship of art and cinema; art as investment and the roles of private banking services in the global art market.

0101	Jason Kuo	Seats (Total: 14)
	Th 2:00pm - 4:30pm	ASY 3217

ARTH489B **Special Topics in Art History; World Architecture with Omeka**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Introduces students to world architecture before 1851 through collaborative, digital, and decolonial methods, using Omeka to build a shared, evolving collection that challenges canonical definitions and centers diverse cultural practices of building and our many ways of learning and knowing.

0101	Divya Kumar-Dumas TuTh 12:30pm - 1:45pm	Seats (Total: 25) ASY 3215

ARTH498 **Directed Studies in Art History I**

(Perm req)

Credits: 2-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARTH499 **Honors Thesis**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARTH668A **Studies in Latin American Art and Archaeology; The Politics of Postwar Latin American Art**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Considers a range of recent critical and curatorial work on the nature of political and activist art across Latin and Latino/a/x/e America in the postwar period. Case studies focus on media (painting, performance, photography, etc.) as well as on national and regional histories, with aspecial focus on women and the broad theme of "emancipation." Over the course of the semester, students will expand on a related exhibition project initiated by the Art Museum of the Americas (Washington, D.C.) through the creation of essays, object labels, and digital projects.

0101	Abigail McEwen M 1:00pm - 3:30pm	Seats (Total: 8) ASY 4304

ARTH692 **Methods of Art History**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Methods of research and criticism applied to typical art-historical problems; bibliography and other research tools.

For all non-Art History and Archaeology majors, permission of the department is required.

0101	Elizabeth Honig Tu 12:30pm - 3:00pm	Seats (Total: 6) ASY 4304

ARTH698 **Teaching Art History**

Credits: 1-3 Grading Method: Sat-Fail

Allows students to explore pedagogical tools and methods in the history of art and archaeology, with a goal to becoming better instructors in the field. Starting with the basics of being a good TA (discussion of texts, teaching visual analysis, grading assignments), it moves on through questions of research and project-based teaching, lecturing, and the creation of an inclusive and equitable classroom. Students are asked to design a class they could teach, including a syllabus and assignment prompts. They will also learn how to deliver a lecture (in class, at a conference) and will explore the job market (academic and non-academic) for art historians and archaeologists. The class is recommended for students who have served once as a TA and taken the basic "TA Training" workshops.

0101	Elizabeth Honig, Joshua Shannon, Jordana Saggese, Jason Kuo, Emily Egan W 3:00pm - 5:30pm	Seats (Total: 8) ASY 4304

ARTH708C **Seminar in Ancient Art and Archaeology; Painting the Wine-Dark Sea: Mural Traditions in Bronze Age Greece**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

0101	Emily Egan Th 12:30pm - 3:00pm	Seats (Total: 8) ASY 4304

ARTH758D **Seminar in American Art; Being and Becoming: Histories of Black American Art**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Trace the development of the field of African American art history from the early 20th century through the present ?across exhibitions, critical theory, and historical studies. Our conversation will privilege Blackness as both a political and an aesthetic condition of being. Students will have an opportunity to explore ideas presented in class inconversation with objects in the permanent collection of the David C. Driskell Center, and to engage with contemporary scholars in the field via virtual class visits.

0101	Jordana Saggese Th 3:30pm - 6:00pm	Seats (Total: 8) ASY 4304

ARTH798 **Directed Graduate Studies in Art History**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

ARTH799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ARTH898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ARTH899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ARTT Art Studio Fall 2025

ARTT100 **Two-Dimensional Design Fundamentals**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Principles and elements of two-dimensional design. Introduction to visual communication.

Students must pay a $40.00 laboratory studio fee.

0101	Danielle Leizman TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0201	Danielle Leizman TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0501	Sima Pirmoradi MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0601	Sima Pirmoradi MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0701	Sima Pirmoradi MW 3:30pm - 6:00pm	Seats (Total: 18) ASY 2318	Lab
0801	Sima Pirmoradi MW 3:30pm - 6:00pm	Seats (Total: 18) ASY 2318	Lab

ARTT110 **Elements of Drawing I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects.

Students must pay a $40.00 laboratory studio fee.

0101	Matthew McLaughlin MW 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab

0201	Matthew McLaughlin MW 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab	
0501	Irene Pantelis MW 3:30pm - 6:00pm	Seats (Total: 18) ASY 2317	Lab	
0701	Danielle Leizman TuTh 3:30pm - 6:00pm	Seats (Total: 18) ASY 2317	Lab	
0801	Danielle Leizman TuTh 3:30pm - 6:00pm	Seats (Total: 18) ASY 2321	Lab	
0901	Jowita Wyszomirska TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab	
1001	Jowita Wyszomirska TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2321	Lab	
1101	Irene Pantelis MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab	
1201	Irene Pantelis MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2321	Lab	
FC01	Jill Stauffer MW 6:00pm - 8:30pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) ASY 2321	Lab	

ARTT110S **Elements of Drawing I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects.

Restricted to College Park Scholars - Arts. Students must pay a $40.00 laboratory studio fee.

0601	Irene Pantelis MW 3:30pm - 6:00pm	Seats (Total: 18) ASY 2317	Lab	

ARTT150 **Introduction to Art Theory**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU

Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.

0101	Katherine Guinness MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 25) BPS 1250 SQH 1123	Discussion
0102	Katherine Guinness MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 25) BPS 1250 LEF 0135	Discussion
0103	Katherine Guinness MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) BPS 1250 SQH 1123	Discussion
0104	Katherine Guinness MW 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 25) BPS 1250 ASY 3211	Discussion
0105	Katherine Guinness MW 1:00pm - 1:50pm Th 2:30pm - 3:20pm	Seats (Total: 25) BPS 1250 VMH 1207	Discussion
0106	Katherine Guinness MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) BPS 1250 ARC 1103	Discussion

ARTT200 Three-Dimensional Art Fundamentals

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT100 and ARTT110.

Fundamental concepts of three-dimensional form and space examined through the manipulation and organization of various materials.

Students must pay a $40.00 laboratory studio fee.

0101	Sima Pirmoradi MW 9:00am - 11:30am *This section focuses on concepts of digital fabrication, art, and technology.*	Seats (Total: 15) IRB 1231	Lab

0201	Foon Sham TuTh 12:30pm - 3:00pm	Seats (Total: 15) ASY 1311	Lab	
0301	Jeremy Kunkel MW 9:00am - 11:30am	Seats (Total: 15) ASY 1311	Lab	
0401	Danielle Leizman TuTh 9:00am - 11:30am	Seats (Total: 15) IRB 1231	Lab	
	This section focuses on concepts of digital fabrication, art, and technology.			

ARTT210 Elements of Drawing II

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT110.

Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues.

Students must pay a $40.00 laboratory studio fee.

0201	Jill Stauffer MW 3:30pm - 6:00pm	Seats (Total: 16) ASY 2315	Lab	
0301	Julia Kwon MW 12:30pm - 3:00pm	Seats (Total: 16) ASY 2315	Lab	
0401	Jowita Wyszomirska TuTh 3:30pm - 6:00pm	Seats (Total: 16) ASY 2315	Lab	

ARTT255 Introduction to Digital Art and Design Processes

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT100 and ARTT110. Credit only granted for: ARTT255 or ARTT354. Formerly: ARTT354.

Introduction to basic software and principles of digital imaging, and how they are applied to art and design. Topics covered: Digital image construction and manipulation, Vector-Based digital techniques layout, typography, etc), time-based digital techniques (video and audio composition and manipulation), and basic interactivity (web-design). Digital media used to explore visual principles established in ARTT100.

Students must pay a $40.00 laboratory studio fee.

0101	Narendra Ratnapala TuTh 12:30pm - 3:00pm	Seats (Total: 18) ATL 1410	Lab
0201	Narendra Ratnapala TuTh 3:30pm - 6:00pm	Seats (Total: 18) ATL 1410	Lab
0301	Varvara Tokareva MW 3:30pm - 6:00pm	Seats (Total: 15) ASY 3304	Lab

ARTT269R **Special Topics in Study Abroad II; Art of Renaissance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ARTT320 **Elements of Painting**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Concepts and fundamental processes of oil and/or acrylic painting.

Students must pay a $40.00 laboratory studio fee.

0101	Emily Conover TuTh 12:30pm - 3:00pm *Emphasizes acrylic paint.*	Seats (Total: 18) ASY 3312	Lab
0201	Julia Kwon MW 9:00am - 11:30am	Seats (Total: 12) ASY 3322	Lab
0301	Julia Kwon MW 3:30pm - 6:00pm	Seats (Total: 18) ASY 3322	Lab

ARTT330 **Elements of Sculpture: Metal Casting**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Sculptural concepts and fundamental processes related to metal casting.

Students must pay a $40.00 laboratory studio fee.

0101	Jeremy Kunkel MW 12:30pm - 3:00pm	Seats (Total: 12) ASY 1310

ARTT330H **Elements of Sculpture: Metal Casting**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Sculptural concepts and fundamental processes related to metal casting.

Restricted to departmental honors students only. Students must pay a $40.00 laboratory fee.

0101	Jeremy Kunkel MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 1310

ARTT331 **Elements of Sculpture: Steel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Sculptural concepts and fundamental processes related to steel fabrication; torch cutting, welding, hot forging, and finishing.

Students must pay a $40.00 laboratory studio fee.

0101	Jeremy Kunkel MW 3:00pm - 5:30pm	Seats (Total: 10) ASY 1314

ARTT331H **Elements of Sculpture: Steel**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Sculptural concepts and fundamental processes related to steel fabrication; torch cutting, welding, hot forging, and finishing.

Restricted to departmental honors students only. Students must pay a $40.00 laboratory fee.

0101	Jeremy Kunkel MW 3:00pm - 5:30pm	Seats (Total: 2) ASY 1314

ARTT333 **Elements of Sculpture: Wood and Mixed Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Sculptural concepts and fundamental processes using wood and mixed media.

Students must pay a $40.00 laboratory fee.

0101	Foon Sham	Seats (Total: 12)	
	TuTh 3:00pm - 5:30pm	ASY 1311	

ARTT341 **Elements of Printmaking: Woodcut and Relief**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Concepts and fundamental processes related to woodcuts, linocuts, and other relief printing media.

There is a $40.00 lab fee for this course.

0101	Varvara Tokareva	Seats (Total: 12)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT341H **Elements of Printmaking: Woodcut and Relief**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Concepts and fundamental processes related to woodcuts, linocuts, and other relief printing media.

There is a $40.00 lab fee for this course. This course is restricted to departmental honors students only.

0101	Varvara Tokareva	Seats (Total: 2)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT343 **Elements of Printmaking: Screen Printing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Concepts and fundamental processes related to silkscreen printing.

0101	Varvara Tokareva	Seats (Total: 12)
	TuTh 3:30pm - 6:00pm	ASY 1317
0201	Varvara Tokareva	Seats (Total: 12)
	TuTh 12:30pm - 3:00pm	ASY 1317

ARTT343H **Elements of Printmaking: Screen Printing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Concepts and fundamental processes related to silkscreen printing.

Students must pay a $40.00 laboratory studio fee. This course is restricted to departmental honors students only.

0101	Varvara Tokareva TuTh 3:30pm - 6:00pm	Seats (Total: 2) ASY 1317
0201	Varvara Tokareva TuTh 12:30pm - 3:00pm	Seats (Total: 2) ASY 1317

ARTT353 **Elements of Photography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Introduction to digital photographic image-making. With an emphasis on technical, aesthetic and conceptual understanding of the photographic medium, camera operation, and photographic composition. Students must have access to a Digital SLR or mirrorless camera capable of interchangeable lenses for this class.

Students must pay a $40.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT355 **Intermediate Graphic Design Principles**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ARTT150, ARTT200, ARTT210, and ARTT255; and must be admitted to the Graphic Design Concentration (Track 3). Credit only granted for: ARTT350 or ARTT355. Formerly: ARTT350.

Investigation of basic concepts, history, techniques, and materials used by professional graphic designers, focusing on typography. Explores various aspects of design related to typography through examination and production of many types of finished work.

Students must pay $40.00 laboratory studio fee.

0101	Antwon Key MW 9:30am - 12:00pm	Seats (Total: 25) ASY 2322	Lab

ARTT356 **Graphic Design Processes**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ARTT150, ARTT200, ARTT210, and ARTT255; and must have been admitted to Graphic Design Concentration (Track 3). Credit only granted for: ARTT351 or ARTT356. Formerly: ARTT351.

Explores computer graphics and visual communcation principles in a time-based context. Examination of fundamental design principles through digital projects that involve photo manipulation, digital illustration, layout, animation, and web design.

Students must pay $40.00 laboratory studio fee.

0101	Alireza Vaziri Rahimi MW 12:30pm - 3:00pm	Seats (Total: 25) ASY 2322	Lab

ARTT369P **Special Topics in Study Abroad III; Spain Seen by Photography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ARTT370 **Elements of Digital Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT150, ARTT200, ARTT210, and ARTT255; or permission of ARHU-Art department.

Exploration of image creation and manipulation, interactivity, and linkages between digital audio and video. Emphasis on issues in contemporary digital art.

Students must pay $40.00 laboratory studio fee.

0101	Jeffery Hampshire TuTh 12:30pm - 3:00pm	Seats (Total: 14) ASY 3304	Lab
0201	Stefano Passeri MW 3:00pm - 5:30pm	Seats (Total: 14) AVW 3204	Lab
0301	Stefano Passeri TuTh 9:00am - 11:30am	Seats (Total: 15) AVW 3204	Lab

ARTT386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-Art department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ARTT389 **Department of Art Undergraduate Teaching Assistantship**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Individual contractual agreement with faculty/mentor. Individualized assistantship in the teaching of a specified department course offering. Must have previously received an "A" grade for the class to be assisting.

Contact department for information to register for this course.

ARTT399 **Department of Art Research Assistantship**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Individual contractual agreement with faculty/mentor. Individualized experiential learning developed in relation to art-related research issues.

Contact department for information to register for this course.

ARTT409K **Study Abroad Special Topics IV; New Media**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ARTT418B **Advanced Drawing Studio; A Contemporary Approach**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.

Prerequisite: ARTT150, ARTT200, and ARTT210; plus one 300-level studio course; or permission of department. Students must pay a $40.00 laboratory studio fee. Repeatable to 12 credits.

0101	Jason Kass TuTh 12:30pm - 3:00pm	Seats (Total: 16) ASY 2314	Lab
0201	Matthew McLaughlin MW 12:30pm - 3:00pm *This course emphasizes on concepts and techniques of illustration.*	Seats (Total: 16) ASY 2314	Lab

ARTT418H **Advanced Drawing Studio; Honors**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.

Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Matthew McLaughlin TuTh 12:30pm - 3:00pm	Seats (Total: 2) ASY 2314	Lab
0201	Charlotte Richardson-Deppe MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 2314	Lab

ARTT426 **Advanced Painting: Painting on Site I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT320; or permission of the Art Department.

Designed for Art and design, architecture, urban planning, and public engagement majors seeking to gain more experience in the public art process. Through public artworks, students will explore ethical methods of community engagement, mural design and production. This course will have 1-2 visiting artists give lectures and/or participate in a workshop.

0101	Brandon Donahue MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 3312	Lab

ARTT428 **Advanced Painting Studio; Painting**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions in chosen media.

Prerequisite: ARTT320 or permission of the department. Students must pay a $40.00 laboratory studio fee. Repeatable to 12 credits. Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions.

0101	Patrick Craig TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 3318	Lab
0201	Emily Conover TuTh 3:30pm - 6:00pm *Emphasizes acrylic paint.*	Seats (Total: 18) ASY 3316	Lab
0301	Julia Kwon MW 9:00am - 11:30am	Seats (Total: 4) ASY 3322	Lab

ARTT428H **Advanced Painting Studio; Honors**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions in chosen media.

Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Patrick Craig TuTh 12:30pm - 3:00pm	Seats (Total: 3) ASY 3318	Lab
0201	Emily Conover TuTh 3:30pm - 6:00pm *Emphasizes Acrylic Paint*	Seats (Total: 2) ASY 3316	Lab
0401	Brandon Donahue TBA	Seats (Total: 2) ASY 3318	Lab

ARTT428X **Advanced Painting Studio; Advanced Painting Studio**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions in chosen media.

Contact department for information to register for this course.

ARTT438A **Advanced Sculpture Studio; Metal Casting and Mixed Media**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

Prerequisite: Must have completed one 300-level sculpture course; or permission of instructor. Students must pay a $40.00 studio lab fee. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

0101	Jeremy Kunkel MW 12:30pm - 3:00pm	Seats (Total: 4) ASY 1310	

ARTT438D **Advanced Sculpture Studio; Wood and Mixed Media**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

Restriction: Permission of ARHU-ART.

0101	Foon Sham	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1311	

ARTT438H **Advanced Sculpture Studio**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Foon Sham	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1311	

ARTT454 **Advanced Graphic Design Principles: Design in Society**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ARTT355 and ARTT356.

Focus on social responsibility and community activism. History and theory of propaganda and advocacy-based design. Students explore current design practices, work individually, and collaborate in teams with non-profits or other clients with community-based or socio-cultural agendas. Research and writing-intensive course.

$40 laboratory studio fee.

0101	Antwon Key	Seats (Total: 25)	
	TuTh 9:30am - 12:00pm	ASY 2322	Lab

ARTT457 **Advanced Interactive Design**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ARTT357.

Advanced concepts and techniques of interactive design and interactive software. Examination of corporate, client-based, and public service-based interactive graphic design. Emphasis on web-based interactive design structures.

$40 laboratory studio fee.

0101	Alireza Vaziri Rahimi	Seats (Total: 20)	
	MW 3:30pm - 6:00pm	ASY 2322	Lab

ARTT460 **Seminar in Art Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Senior standing.

Exploration of relationship between content and processes of art in a contemporary multi-cultural context.

Contact department for information to register for this course.

ARTT468A **Seminar on the Interrelationship Between Art and Art Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The relationship between a student's work and the theoretical context of contemporary art.

Contact department for information to register for this course.

ARTT468W **Seminar on the Interrelationship Between Art and Art Theory; History and Workshop of Latin America Photography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The relationship between a student's work and the theoretical context of contemporary art.

Contact department for information to register for this course.

ARTT479A **Advanced Digital Media Studio; Code and Form**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Variable multi-level studio emphasizing advanced concepts and processes related to time-based, projection, installation, interactive, and audio/visual integrated digital art. Emphasis on contemporary art issues and individual directions.

Students must pay a $40.00 laboratory studio fee.

0101	Cy Keener	Seats (Total: 15)	
	MW 9:00am - 11:30am	ASY 3304	Lab

ARTT479D **Advanced Digital Media Studio; Immersive and Virtual Environments**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Variable multi-level studio emphasizing advanced concepts and processes related to time-based, projection, installation, interactive, and audio/visual integrated digital art. Emphasis on contemporary art issues and individual directions.

Introduction to the uses of game development software in an artistic context. Practical examination of interactive, immersive and installation art as mediated through the context of real-time computer generated imagery and game engine methodologies. Students must pay a $40.00 studio lab fee.

0101	Mollye Bendell	Seats (Total: 14)	
	MW 12:30pm - 3:00pm	AVW 3204	Lab

ARTT479E **Advanced Digital Media Studio; Art and Electronics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Variable multi-level studio emphasizing advanced concepts and processes related to time-based, projection, installation, interactive, and audio/visual integrated digital art. Emphasis on contemporary art issues and individual directions.

Prerequisite: ARTT370 or permission of Department. Studio course exploring the basics of building circuits with electroniccomponents, motors, sensors, and Arduino technology in the context of interactive art and kinetic sculpture. Students must pay a $40.00 studio lab fee.

0101	Cy Keener MW 12:30pm - 3:00pm	Seats (Total: 15) ASY 3304	

ARTT479H **Advanced Digital Media Studio; Honors Advanced Digital Media**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Variable multi-level studio emphasizing advanced concepts and processes related to time-based, projection, installation, interactive, and audio/visual integrated digital art. Emphasis on contemporary art issues and individual directions.

Prerequisite: ARTT370. Restricted to Departmental Honors students. Students must pay a $40.00 studio lab fee.

0101	Mollye Bendell MW 12:30pm - 3:00pm *Honors Immersive and Virtual Environments.*	Seats (Total: 2) AVW 3204	Lab
0201	Cy Keener MW 9:00am - 11:30am *Honors Code and Form.*	Seats (Total: 2) ASY 3304	Lab

ARTT480H **Honors Seminar**

(Perm req)

Credits: 3 Grading Method: Regular

Team-taught seminar focusing on relationship between student's work and the theoretical context of contemporary art.

Students must pay $40.00 laboratory fee.

0101	Brandon Donahue F 10:00am - 1:30pm	Seats (Total: 7) ASY 2311

ARTT489I **Advanced Special Topics in Art; Digital Imaging**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Advanced studio art and theory within the context of a special topic.

Prerequisite: ARTT354. Students must pay a $40.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT489R **Advanced Special Topics in Art; New Media**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Advanced studio art and theory within the context of a special topic.

Contact department for information to register for this course.

ARTT489T **Advanced Special Topics in Art; The Contemporary Art World**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Advanced studio art and theory within the context of a special topic.

An exploration of the various roles and institutions that form the contemporary art world. Students will undertake projects in exhibition curation, artwriting, art collection management and more.

0101	Jason Kass	Seats (Total: 14)
	Th 9:30am - 12:00pm	JMZ 1226

ARTT498A **Directed Studies in Studio Art**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Advanced independent work in Studio Art. Meeting with faculty and studio time arranged.

Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498B **Directed Studies in Studio Art**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Advanced independent work in Studio Art. Meeting with faculty and studio time arranged.

Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498H **Directed Studies in Studio Art; Honors Thesis**

(Perm req)

Credits: 2-3

Grading Method: Regular, Pass-Fail, Audit

Advanced independent work in Studio Art. Meeting with faculty and studio time arranged.

Restricted to departmental honors students only. Prerequisite: permission of department. Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498I **Directed Studies in Studio Art; Animation, Editing, and Special Effects**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Advanced independent work in Studio Art. Meeting with faculty and studio time arranged.

Contact department for information to register for this course.

ARTT618 **Drawing; Drawing**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Independent studies in drawing for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT628 **Painting; Painting**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Graduate painting for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT638 **Sculpture; Sculpture**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Independent studies in sculpture for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT648 **Printmaking; Printmaking**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Independent studies in printmaking for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698A **Directed Graduate Studies in Studio Art**

(Perm req)

Credits: 1-4 Grading Method: Regular, Audit

Independent work. Meetings with faculty and studio time arranged.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698B **Directed Graduate Studies in Studio Art**

(Perm req) Credits: 1-4 Grading Method: Regular, Audit

Independent work. Meetings with faculty and studio time arranged.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698C **Directed Graduate Studies in Studio Art; Graduate Teaching Practicum**

(Perm req) Credits: 1-4 Grading Method: Regular, Audit

Independent work. Meetings with faculty and studio time arranged.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT699A **Directed Graduate Studies in Studio Art**

(Perm req) Credits: 1-4 Grading Method: Regular, Audit

Independent graduate studies.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT699B **Directed Graduate Studies in Studio Art**

(Perm req) Credits: 1-4 Grading Method: Regular, Audit

Independent graduate studies.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT718 **Drawing; Drawing**

(Perm req) Credits: 3 Grading Method: Regular, Audit

Independent studies in drawing for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT728 **Painting; Painting**

(Perm req) Credits: 3 Grading Method: Regular, Audit

Independent studies in painting for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT738 Sculpture; Sculpture

(Perm req) Credits: 3 Grading Method: Regular, Audit

Independent studies in sculpture for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT748 Printmaking; Printmaking

(Perm req) Credits: 3 Grading Method: Regular, Audit

Independent studies in printmaking for advanced special students.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT768 Graduate Colloquium

(Perm req) Credits: 2 Grading Method: Regular, Audit

Examines various aspects of art, art theory and criticism in a contemporary and multi-cultural context. Relates student work to this context.

Students must pay a $60.00 laboratory studio fee.

0101	Katherine Guinness	Seats (Total: 20)
	Th 6:30pm - 9:30pm	ONLINE

ARTT798A Directed Graduate Studies in Studio Art

(Perm req) Credits: 1-4 Grading Method: Regular, Audit

Independent graduate studies.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT798B Directed Graduate Studies in Studio Art

(Perm req) Credits: 1-4 Grading Method: Regular, Audit

Independent graduate studies.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ASTR Astronomy Fall 2025

ASTR100 **Introduction to Astronomy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS

Credit only granted for: ASTR100, ASTR101, or ASTR120.

Take a tour of the universe! This course wanders through the night sky, learning about phases of the Moon and eclipses, and then stops by the different planets, moons, and small bodies within our solar system. After that, it's on to bigger things, with stops by the Sun and other stars, learning about how they live and die - possibly in supernovae! - before exploring the weird objects left behind, such as neutron stars and black holes. All of these objects are within our galaxy, the Milky Way, which is one of uncountable galaxies in the universe! A tour wouldn't be complete without thinking about where it all came from: the Big Bang. This course is for non-Astronomy majors and is mostly descriptive with some algebra and trigonometry.

FC01	James Hunt	Seats (Total: 34)	
	TuTh 6:00pm - 7:15pm	ATL 2400	
	F 1:00pm - 1:50pm	ATL 2400	Discussion
	Restricted to students in Freshmen Connection.		

ASTR101 **General Astronomy**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Credit only granted for: ASTR100, ASTR101, or ASTR120.

Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and standard laboratory equipment.

Discussion sections and lab sections do not meet the first week of classes. Attend lecture before coming to discussion or lab sections. Students must pay a $50.00 Laboratory Materials fee.

0101	Marvin Jones	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	Tu 5:30pm - 7:30pm	ATL 0254	Lab
	Tu 3:30pm - 4:20pm	ATL 2428	Discussion

0102	Marvin Jones	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 8:30am - 10:30am Tu 3:30pm - 4:20pm	PHY 1412 ATL 0254 ATL 2428	 Lab Discussion
0103	Marvin Jones	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm F 2:00pm - 4:00pm W 10:00am - 10:50am	PHY 1412 ATL 0254 ATL 2400	 Lab Discussion
0104	Marvin Jones	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 3:30pm - 5:30pm W 10:00am - 10:50am	PHY 1412 ATL 0254 ATL 2400	 Lab Discussion
0105	Marvin Jones	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 1:00pm - 3:00pm W 11:00am - 11:50am	PHY 1412 ATL 0254 ATL 1114	 Lab Discussion
0106	Marvin Jones	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 8:30am - 10:30am W 11:00am - 11:50am	PHY 1412 ATL 0254 ATL 1114	 Lab Discussion
0107	Marvin Jones	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 6:00pm - 8:00pm W 12:00pm - 12:50pm	PHY 1412 ATL 0254 ATL 2400	 Lab Discussion
0108	Marvin Jones	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 6:00pm - 8:00pm W 12:00pm - 12:50pm	PHY 1412 ATL 0254 ATL 2400	 Lab Discussion
0109	Marvin Jones	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm F 9:00am - 11:00am W 1:00pm - 1:50pm	PHY 1412 ATL 0254 ATL 2400	 Lab Discussion

0110	Marvin Jones	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PHY 1412	
	F 12:00pm - 2:00pm	ATL 0254	Lab
	W 1:00pm - 1:50pm	ATL 2400	Discussion
FC01	James Hunt	Seats (Total: 12)	
	TuTh 6:00pm - 7:15pm	ATL 2400	
	M 6:00pm - 8:00pm	ATL 0254	Lab
	F 1:00pm - 1:50pm	ATL 2400	Discussion
	Restricted to students in Freshmen Connection.		

ASTR120 **Introductory Astrophysics - Solar System**

Credits: 3 Grading Method: Regular CORE: PS General Education: DSNS

Prerequisite: Must have completed or be concurrently enrolled in MATH140. Restriction: Must not have completed ASTR101 or ASTR100. Credit only granted for: ASTR100, ASTR101, or ASTR120.

For students majoring in astronomy or with a strong interest in science. Topics include development of astronomy, planetary orbits, electromagnetic radiation, telescopes as well as constituents and origin of the solar system (planets, satellites, comets, asteroids, meteoroids, etc.).

0101	Jessica Sunshine	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	ESJ 2212	
	F 1:00pm - 1:50pm	ESJ 2212	Discussion
0102	Jessica Sunshine	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	ESJ 2212	
	F 2:00pm - 2:50pm	ESJ 2212	Discussion

ASTR230 **The Science and Fiction of Planetary Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: PS General Education: DSNS, SCIS

Prerequisite: Must have math eligibility of MATH115 or higher; or MATH113.

Have you ever wondered if humans will ever terraform Mars or Europa so we could live there without a spacesuit? Has it ever crossed your mind how lucky you are that you live on a water-rich planet with an oxygen-rich atmosphere? Have you ever suspected novelists and scriptwriters of creating ridiculous planets that violate scientific laws? Does the fate of our planet's thin biosphere keep you up at night? How common is life in the Universe? These are difficult questions, but armed with the right information, you can answer all of them. The Science and Fiction of Planetary Systems will help you develop a deeper understanding of why planets are the way they are. Along the way, you'll see examples of mistakes made in classic science fiction movies, novels and short stories and get the chance to invent your own plausible planets!

0101	Marvin Jones W 9:00am - 9:50am MWF 12:00pm - 12:50pm	Seats (Total: 36) ESJ 2212 ESJ 1309	 Discussion
0102	Marvin Jones W 9:00am - 9:50am MWF 1:00pm - 1:50pm	Seats (Total: 36) ESJ 2212 ESJ 1309	 Discussion

ASTR288 **Special Projects in Astronomy**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Independent study, short research projects, tutorial reading, and assisting with faculty research and teaching under special supervision.

A faculty sponsor must be found by the students prior to enrollment.

Contact department for information to register for this course.

ASTR288I **Special Projects in Astronomy; Introduction to the Astronomy Major**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Independent study, short research projects, tutorial reading, and assisting with faculty research and teaching under special supervision.

Prerequisite: permission of department.

0101	Andrew Harris, Melissa Hayes-Gehrke M 4:00pm - 4:50pm	Seats (Total: 20) ATL 1114
0201	Melissa Hayes-Gehrke, Andrew Harris Tu 4:00pm - 4:50pm	Seats (Total: 20) ATL 1114

ASTR310 **Observational Astronomy**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: ASTR232, PHYS171 and PHYS265. Restriction: Must be in CMNS-Astronomy program.

Introduction to current optical observational techniques, with brief coverage of infrared, ultraviolet, and x-ray techniques. Statistics, spherical trigonometry time, catalogs, geometrical and physical optics, telescopes, and optical instruments. Effects of the atmosphere. Practical work at the observatory using a CCD camera. Some nighttime observing sessions.

0101	Melissa Hayes-Gehrke TuTh 11:00am - 12:15pm W 11:00am - 1:00pm	Seats (Total: 15) SPH 1301 ATL 0224	 Lab
0102	Melissa Hayes-Gehrke TuTh 11:00am - 12:15pm W 3:00pm - 5:00pm	Seats (Total: 15) SPH 1301 ATL 0224	 Lab

ASTR330 **Solar System Astronomy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNS

Prerequisite: ASTR100 or ASTR101; and completion of the CORE Distributive Studies requirement in Mathematics and Sciences or the General Education Fundamental Studies requirement in Mathematics. Or permission of CMNS-Astronomy department. Credit only granted for: ASTR330 or GEOL212.

Designed primarily for non-science majors. The structure of planets and of their atmospheres, the nature of comets, asteroids, and satellites. Comparison of various theories for the origin of the solar system. Emphasis on a description of recent data and interpretation.

0101	Timothy Livengood TuTh 2:00pm - 3:15pm	Seats (Total: 60) ATL 2400

ASTR340 **Origin of the Universe**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNS

Prerequisite: ASTR100 or ASTR101; and completion of the CORE Distributive Studies requirement in Mathematics and Sciences or General Education Fundamental Studies requirement in Mathematics. Or permission of CMNS-Astronomy department.

Designed primarily for non-science majors. A study of our progression of knowledge about the universe. Topics include: early cosmological models, geocentric vs. heliocentric theory, curvature of space, Hubble's Law, Big Bang Theory, microwave background radiation, evolution of stars and galaxies, dark matter, active galaxies, quasars and the future of the universe.

0101	Benedikt Diemer TuTh 11:00am - 12:15pm	Seats (Total: 60) ATL 2400

ASTR350 **Black Holes**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNS

Prerequisite: ASTR100 or ASTR101; and completion of the CORE Distributive Studies requirement in Mathematics and Sciences or General Education Fundamental Studies requirement in Mathematics. Or permission of CMNS-Astronomy department. Credit only granted for: ASTR398B or ASTR350. Formerly: ASTR398B.

Black holes are the most exotic prediction of Einstein's Theory of General Relativity and, amazingly, the Universe seems to manufacture these bizarre objects in copious numbers. As well as being the ultimate laboratory for studying the nature of space and time, they drive some of the most energetic and extreme phenomena known to astronomers (with quasars and gamma-ray bursts being just a couple of examples). In this introduction to the physics and astrophysics of black holes, we start by examining the basic physics of black holes, which fundamentally means understanding gravity. We then look at the nature of stellar-mass black holes and supermassive black holes. We will discuss the fairly recent realization that black holes may be crucial agents for regulating the growth of galaxies. Finally, we dive into the realm of theoretical physics and probe how black holes may provide a route for uncovering new laws of physics governing the structure of space and time.

0101	Richard Mushotzky	Seats (Total: 50)
	TuTh 11:00am - 12:15pm	ATL 2428

ASTR380 **Life in the Universe - Astrobiology**

Credits: 3 | Grading Method: Regular, Audit | General Education: DSNS

Designed primarily for non-science majors. Study of the astronomical perspective on the conditions for the origin and existence of life in the universe.

0101	Douglas Hamilton	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	ATL 2400

ASTR399 **Honors Seminar**

(Perm req)

Credits: 1-16 | Grading Method: Regular, Pass-Fail, Audit

Credit according to work done.

Contact department for information to register for this course.

ASTR421 **Galaxies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ASTR232 and PHYS273.

Introduction to structure, kinematics, and dynamics of normal and peculiar galaxies. Quantitative descriptions of normal spiral galaxies (like our Milky Way) and elliptical galaxies will be followed by more exotic considerations such as interacting and merging galaxies, and active galactic nuclei.

0101	Sylvain Veilleux	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ATL 2428

ASTR422 **Cosmology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in ASTR320; or permission of CMNS-Astronomy department.

Introduction to modern cosmology. Topics include large scale structure of universe, the intergalactic medium, the nature of dark matter cosmological models and galaxy formation.

0101	Christopher Reynolds	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ATL 2428

ASTR498 **Special Problems in Astronomy**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Research or special study. Credit according to work done.

Contact department for information to register for this course.

ASTR601 **Radiative Processes**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of CMNS-Astronomy department.

Emission, absorption, and scattering of radiation by matter, with astrophysical applications. Thermodynamics and statistical mechanics: LTE, Boltzmann, and Saha equations; radiative transfer; atomic and molecular radiation; plasma radiation and transfer: bremsstrahlung, synchrotron emission, Compton scattering.

0101	Michael Miller	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ATL 0201

ASTR610 **Astronomical Instrumentation and Techniques**

(Perm req)

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Restriction: Permission of CMNS-Astronomy department.

Review of Maxwell's equations; designs of telescopes, spectrographs, modern detectors; basic concepts for radio detectors and telescopes; interferometry and data processing.

0101	Alberto Bolatto	Seats (Total: 20)
	MW 2:00pm - 3:15pm	ATL 0201

ASTR622 **Cosmology**

(Perm req)

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Restriction: Permission of CMNS-Astronomy department.

Introduction to modern cosmology. Topics include the large scale structure of the universe, cosmological models, the Big Bang, the cosmic microwave background, the nature of dark matter, and galaxy formation.

0101	Massimo Ricotti	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	ATL 0201

ASTR688B **Special Topics in Modern Astronomy; Current Astronomy Research**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Special topics such as extragalactic radio sources, plasma astrophysics, the H.R. diagram, chemistry of the interstellar medium, radiophysics of the sun.

0101	Andrew Harris	Seats (Total: 30)
	W 3:30pm - 5:30pm	ATL 2400

ASTR695 **Introduction to Research**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Provides an introduction to research programs in the Department of Astronomy and a forum to explore possible research projects. Aimed at incoming graduate students.

0101	Michael Miller	Seats (Total: 20)
	M 10:00am - 10:50am	ATL 2416

ASTR699 **Special Problems in Advanced Astronomy**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ASTR799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ASTR898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Sat-Fail

Contact department for information to register for this course.

ASTR899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

BCHM Biochemistry Fall 2025

The College of Computer, Mathematical and Natural Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

BCHM461 **Biochemistry I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277; and minimum grade of C- in (CHEM241 and CHEM242) or CHEM247. Credit only granted for: BCHM461 or BCHM463.

First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.

0101	Paul Paukstelis TuTh 9:30am - 10:45am	Seats (Total: 108) CHM 1402
0102	Yanxin Liu MW 4:00pm - 5:15pm	Seats (Total: 108) CHM 1402
0103	Bonnie Dixon TuTh 12:30pm - 1:45pm	Seats (Total: 108) CHM 1402

BCHM462 **Biochemistry II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BCHM461. Credit only granted for: BCHM462 or BCHM463.

A continuation of BCHM 461. Metabolic pathways and metabolic regulation, energy transduction in biological systems, enzyme catalytic mechanisms.

0102	Jeffery Davis MWF 11:00am - 11:50am	Seats (Total: 100) CHM 1402

BCHM463 **Biochemistry of Physiology**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277; and minimum grade of C- in (CHEM241 and CHEM242) or CHEM247. Credit only granted for: BCHM461, BCHM462 or BCHM463.

A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.

0101	Christiana Guest TuTh 11:00am - 12:15pm	Seats (Total: 132) CHM 1402
0103	Christopher Capp MWF 12:00pm - 12:50pm	Seats (Total: 132) CHM 1402
ESG1	Heather Tienson-Tseng W 12:30pm - 1:20pm F 11:00am - 12:40pm *Registration is restricted to Biological Sciences-Shady Grove majors.*	Seats (Total: 50) BLD4 5321 BLD4 5321
SEF1	Christopher Capp M 6:00pm - 8:50pm *Must be in the Science in the Evening (SIE) program.*	Seats (Total: 40) CHM 2201

BCHM464 Biochemistry Laboratory

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BCHM461 or BCHM463; and a grade of C- or better in the prerequisite is required for all College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: BCHM465. Restriction: BCHM, CHEM, and Nutritional Sciences majors have first priority, followed by other life science majors.

Biochemical and genetic methods for studying protein function. Site-directed mutagenesis and molecular cloning, protein purification, enzyme activity assays, computer modeling of protein structure.

Students must pay a $70.00 laboratory materials fee.

0101	Christopher Capp Tu 11:00am - 12:15pm Th 12:30pm - 5:30pm	Seats (Total: 18) CHM 1228 ESJ 0316	 Lab
0102	Christopher Capp Tu 11:00am - 12:15pm W 12:00pm - 5:00pm	Seats (Total: 18) CHM 1228 ESJ 0316	 Lab

BCHM465 Biochemistry III

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: CS

Prerequisite: BCHM461 or BCHM463; and a grade of C- or better in the prerequisite is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Recommended: BCHM462.

CORE Capstone (CS) Course. An advanced course in biochemistry. Biochemical approach to cellular information processing. DNA and RNA structure. DNA replication, transcription, and repair. Translation of mRNA to make proteins.

0101	Theodore Dayie	Seats (Total: 45)	
	TuTh 8:00am - 9:15am	CHM 1228	

BCHM477 Biomolecular Measurement and Data Analysis

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM271 or CHEM276; and (CHEM277 or CHEM272). Restriction: Must be in the Chemistry or Biochemistry major.

Covers a range of classic and modern biochemical assays and techniques as well as introducing data science approaches to "omics" data. Upon successful completion of this course, students should have the necessary preparation and experience to collaborate productively with research scientists in industrial, clinical or academic contexts.

Students must pay a $70.00 laboratory materials fee.

0101	Jason Kahn	Seats (Total: 18)	
	MW 2:00pm - 2:50pm	PHY 2124	
	Th 2:00pm - 4:50pm	ESJ 1324	Lab

BCHM661 Nucleic Acids I

Credits: 2 | Grading Method: Regular, Audit

Prerequisite: BSCI410 and BCHM465.

Topics covered: Chemistry and structure of DNA and RNA, from nucleotides to chromatin, chromosomes, and genomes, and some methods for studying, synthesizing, sequencing and manipulating nucleic acids. Rudimentary genomics and bioinformatics. DNA Biology: selected aspects of the biochemistry and regulation of DNA replication, repair, and recombination, and how these processes interact with each other.

0101	Paul Paukstelis	Seats (Total: 45)	
	Meets September 2, 2025 - October 17, 2025		
	MWF 9:30am - 10:50am	CHM 1224	

BCHM662 **Nucleic Acids II**

Credits: 2 Grading Method: Regular, Audit

Prerequisite: BCHM661.

Topics covered: Interactions between nucleic acids and ligands such as cations, drugs, and especially proteins. Sources of binding affinity and specificity. Selection-amplification methods. Description of several classes of protein-nucleic acids complexes. DNA/RNA catalysis, the origin of life, mobile genetic elements.

0101	Jason Kahn	Seats (Total: 45)
	Meets October 20, 2025 - December 12, 2025	
	MWF 9:30am - 10:50am	CHM 1224

BCHM669E **Special Topics in Biochemistry; Biomolecular NMR: Theory and Applications**

Credits: 3 Grading Method: Regular, Audit

Introduction to modern biomolecular NMR and its applications to biological systems, including determination of the structure and dynamics of biomacromolecules and characterization of macromolecular interactions. The course covers fundamentals of nuclear magnetic resonance (NMR), including vector models, quantum-mechanical treatment, spin density operator approach and product operator formalism. The students will learn NMR pulse sequence design (including product operator formalism), principles of multidimensional NMR, methods for protein signal assignmentand structure calculation, studies of protein-ligand interactions, and NMR approaches to protein dynamics.

0101	David Fushman	Seats (Total: 20)
	MW 11:00am - 12:15pm	BSB 2118

BCHM671 **Protein Chemistry and Enzymic Catalysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: BCHM461; or students who have taken courses with comparable content may contact the department.

Principles of protein structure, folding, and function, experimental characterization of structure, active sites, enzyme mechanisms and kinetics.

0101	Jinwoo Lee	Seats (Total: 31)
	TuTh 9:30am - 10:50am	PHY 2213

BCHM698 **Literature Seminar in Biochemistry**

Credits: 2 Grading Method: Regular

Students will prepare and present a departmental seminar based on a topic in the current biochemical research literature.

0101	Paul Paukstelis	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM699 **Special Problems in Biochemistry**

Credits: 1-6 Grading Method: Regular, Audit

Laboratory experience in a research environment.

Open only to non-thesis M.S. degree candidates.

Contact department for information to register for this course.

BCHM799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

BCHM889A **Seminar; Biochemistry**

Credits: 1 Grading Method: Regular, Audit

0101	Myles Poulin	Seats (Total: 75)
	Tu 11:00am - 12:15pm	CHM 1112

BCHM889C **Seminar; Allostery in DNA Binding**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889D **Seminar; Enzymology Recombination**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889F **Seminar; Antimicrobial Peptides**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889J **Seminar; Nucleic Acid Structures**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

BCHM889M Seminar; Modern Methods in NMR and Structural Biology

Credits: 1-3 Grading Method: Regular, Audit

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 40)

BCHM889P Seminar; Structure and Reactivity of Biopolymers

(Perm req)

Credits: 1 Grading Method: Regular, Audit

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

BCHM898 Pre-Candidacy Research

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

BCHM899 Doctoral Dissertation Research

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

BDBA Doctor of Business Administration Fall 2025

BDBA788B Global Business Experience; Doing Business in Brazil: Addressing Grand Challenges Through the Private Sector

Credits: 2 Grading Method: Regular

The faculty-led MBA Global Business Treks are an opportunity for students to expand their global mindset and global business savvy while immersed in an international context. While traveling abroad with a professor, students visit companies to enhance their business acumen and apply their knowledge and skills to solve a cross-border, cross-cultural business challenge.

Cross-listed with BUSI788B, BUSM788B, BUSO788B, and EMBA788B. Credit only granted for BDBA788B, BUSI788B, BUSM788B, BUSO788B, or EMBA788B.

GX01	Paulo Prochno **Meets October 20, 2025 - December 12, 2025** Su 12:00pm - 1:00pm Contact instructor or department for details.	Seats (Total: 35) Location: TBA

BDBA804 Big Data and AI for Business

Credits: 3 Grading Method: Regular

Restriction: Must be in Doctor of Business Administration (BDBA) program; or permission of the Robert H. Smith School of Business.

Big data offers immense potential for insights and wealth creation, generating vast data volumes. This data is often unstructured and real-time, challenging traditional data management and presenting both challenges and opportunities. Advanced techniques, especially AI, are essential for harnessing data value. This course emphasizes hands-on learning about Big Data and AI, including strategic implications and technological underpinnings with tools like deep learning and AWS. Through practical examples and assignments, it aims to build familiarity with these technologies and foster strategic business thinking. The evolving tech landscape necessitates a flexible learning approach, ensuring manageable student workloads.

Cross-listed with BMSO758Q. Credit only granted for BMSO758Q or BDBA804.

WN01	Kunpeng Zhang	Seats (Total: 0)
	Meets August 25, 2025 - December 12, 2025	
	Class time/details on ELMs	ONLINE
	Class time/details on ELMs	ONLINE

BDBA806 Executive Decision Making in the Age of AI

Credits: 3 Grading Method: Regular

Restriction: Must be in Doctor of Business Administration (BDBA) program; or permission of the Robert H. Smith School of Business.

Artificial Intelligence (AI), in an unprecedented and transformational manner, has recently opened up new possibilities for firms that significantly affect how humans aided with technology make decisions. This course will focus on understanding AI capabilities (including predictive and generative models), designing effective decision-making frameworks that incorporate AI and humans, building a deep appreciation and understanding of some key issues surrounding AI in organizations, and helping develop governance structures for AI in organizations.

0101	Balaji Padmanabhan	Seats (Total: 12)
	Meets August 22, 2025 - December 5, 2025	
	F 2:15pm - 7:00pm	Location: TBA

BDBA808L Special Topics in Information Systems; Database Management Systems

Credits: 3 Grading Method: Regular

Special topics specific to the Information Systems doctoral field of study.

Cross listed with BUDT703. Credit granted for only BDBA808L or BUDT703.

0506	Woei-jyh Lee	Seats (Total: 0)
	Meets August 25, 2025 - December 12, 2025	
	TuTh 9:30am - 10:45am	VMH 1333

BDBA808R **Special Topics in Information Systems; Project Management in Dynamic Environments**

Credits: 2 Grading Method: Regular

Special topics specific to the Information Systems doctoral field of study.

Cross-listed with BUDT724. Credit granted only for BDBA808R or BUDT724.

0504	Paul Shapiro	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	TuTh 12:00pm - 1:50pm	VMH 2202

BDBA809 **Introduction to Research Theory and Methods**

Credits: 3 Grading Method: Regular

This foundational DBA course equips doctoral candidates with methodologies for rigorous applied business research. The course will explore research philosophies and the design of qualitative, quantitative, and mixed-methods studies. Topics include formulating research questions, conducting literature reviews, and applying data collection techniques like surveys, interviews, and case studies. A key outcome is the development of a viable research proposal, providing a clear roadmap for the doctoral dissertation.

0101	Paulo Prochno	Seats (Total: 30)
	Meets August 22, 2025 - December 5, 2025	
	F 2:15pm - 7:00pm	Location: TBA

BDBA810 **Research in Business I**

Credits: 3 Grading Method: Regular

This course provides an introduction to research in the foundational marketing and management topics. Designed for working professionals beginning their journey into research, it covers the fundamental concepts and methodologies used to investigate research questions in marketing and management. Students will learn how to formulate research questions, how to use key frameworks in marketing and management to investigate those research questions, as well as what methods are used in marketing and management research.

0101	Paulo Prochno **Meets September 2, 2025 - December 9, 2025** Tu 6:00pm - 9:00pm	Seats (Total: 30) ONLINE

BDBA818A **Special Topics in Accounting; AI Literacy: Business Data and AI Applications**

Credits: 2 Grading Method: Regular

Special topics specific to the Accounting doctoral field of study.

Cross-listed with BUAC758Y. Credit granted only for BDBA818A or BUAC758Y.

0501	Lei Zhou, Sean Cao **Meets October 20, 2025 - December 12, 2025** MW 6:00pm - 7:50pm	Seats (Total: 0) VMH 1202

BDBA820 **Economics for Business Research**

Credits: 3 Grading Method: Regular

Restriction: Must be in Doctor of Business Administration (BDBA) program; or permission of the Robert H. Smith School of Business.

Investigating the implications of the major findings of behavioral economics for policymakers. Analysis of the ways in which individuals make decisions that systematically depart from the standard model, which assumes perfect rationality, perfect selfishness, and perfect willpower. Students will develop an understanding of how models are constructed, and how this forms the basis for empirical estimation strategies. We first discuss concepts such as endowment effect, loss aversion, and status-quo bias. Then we introduce uncertainty. The standard model of decision-making under uncertainty is the expected utility model. We then go on to describe some empirical evidence from both economics and psychology to illustrate violations of the expected utility model. Next, we will discuss intertemporal choice. After introducing the standard model of discounting, we will again discuss some observed violations of the standard model in the data.

0101	Erkut Ozbay **Meets August 23, 2025 - December 6, 2025** Sa 8:30am - 1:15pm	Seats (Total: 30) Location: TBA

BDBA828 **Independent Research Study**

(Perm req)

Credits: 1-3 Grading Method: Regular

Interdisciplinary DBA research course

Contact department for information to register for this course.

BDBA829A **Capstone Research Project**

(Perm req) Credits: 1-6 Grading Method: Regular

Third year capstone projects must meet the following criteria: (a) build on theoretical knowledge in the discipline, (b) utilize analytical tools learned in the program (quantitative or qualitative), and (c) address a problem in the student's industry of interest.

Contact department for information to register for this course.

BDBA848A **Special Topics in Finance; Financial Engineering**

Credits: 2 Grading Method: Regular

Special topics specific to the Finance doctoral field of study.

Cross-listed with BUFN742. Credit granted only for BDBA848A or BUFN742.

0501	George Gao	Seats (Total: 45)
	Meets October 20, 2025 - December 12, 2025	
	TuTh 12:00pm - 1:50pm	VMH 2505

BDBA858L **Special Topics in Marketing; Marketing Emergent Technology**

Credits: 1 Grading Method: Regular

Special topics specific to the Marketing doctoral field of study.

Cross-listed with BUSI781. Credit granted only for BDBA858L or BUSI781.

DC06	Yogesh Joshi	Seats (Total: 50)
	Meets November 16, 2025 - December 13, 2025	
	Sa 9:00am - 5:00pm	DC C3

BDBA858P **Special Topics in Marketing; Innovation & Product Development**

Credits: 2 Grading Method: Regular

Special topics specific to the Marketing doctoral field of study.

Cross listed with BUSO758W. Credit granted for only BDBA858P or BUSO758W.

SO51	Yogesh Joshi	Seats (Total: 38)
	Meets August 25, 2025 - October 10, 2025	
	M 8:15pm - 9:45pm	ONLINE

SO52	Yogesh Joshi **Meets August 25, 2025 - October 10, 2025** W 6:30pm - 8:00pm	Seats (Total: 35) ONLINE

BDBA858X **Special Topics in Marketing; Digital Promotion and Advertising**

Credits: 2 Grading Method: Regular

Special topics specific to the Marketing doctoral field of study.

Cross listed with BUSO758X. Credit granted for only BDBA858X or BUSO758X.

SO51	Pallassana Kannan **Meets August 25, 2025 - October 10, 2025** Th 6:30pm - 8:00pm	Seats (Total: 49) ONLINE

BDBA858Z **Special Topics in Marketing; Marketing Analytics for Consulting**

Credits: 3 Grading Method: Regular

Special topics specific to the Marketing doctoral field of study.

Cross listed with BUMK742. Credit granted for only BDBA858Z or BUMK742.

0501	Michel Wedel **Meets August 25, 2025 - December 12, 2025** W 7:00pm - 9:40pm	Seats (Total: 0) VMH 1412

BDBA868G **Special Topics in Management; Executive Powers and Negotiation**

Credits: 2 Grading Method: Regular

Special topics specific to the Management doctoral field of study.

Cross-listed with BUSO711. Credit granted only for BDBA868G or BUSO711.

SO34	Vijaya Venkataramani **Meets October 20, 2025 - December 12, 2025** Tu 6:30pm - 8:00pm	Seats (Total: 30) ONLINE

BIOE Bioengineering Fall 2025

BIOE120 **Biology for Engineers**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in MATH140. Restriction: Permission of ENGR-Fischell Department of Bioengineering department.

Introduction to the functions and interactions of biological systems from a quantitative perspective. Introduction to the modern experimental techniques and methods of data analysis. Roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated.

Students will be introduced to the functions and interactions of biological systems from a quantitative perspective. They will also be encourage d to solve problems through active inquiry, critical analysis,and creat ivity. Finally, roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated.

0101	Brian Blair MWF 1:00pm - 1:50pm Th 5:00pm - 5:50pm	Seats (Total: 60) KEB 1110 PHY 1201	 Discussion
0201	Catherine Kuo TuTh 3:30pm - 4:45pm Tu 2:00pm - 2:50pm	Seats (Total: 60) EGR 1108 EGR 1108	 Discussion

BIOE121 **Biology for Engineers Laboratory**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in BIOE120. Restriction: Permission of ENGR-Fischell Department of Bioengineering department.

Bioengineering encompasses numerous sub-disciplines that apply engineering principles to analyze biological systems and that utilize engineering design strategies to solve biological and biomedical problems. This course is aimed at providing students with the opportunity to learn how biology and engineering can synergistically contribute to our understanding of such problems, and to gain hands-on experience in basic techniques relevant to Bioengineering.

0101	Brian Blair M 10:00am - 10:50am W 9:30am - 11:20am	Seats (Total: 20) KEB 1110 AJC 1121	 Lab
0102	Brian Blair M 10:00am - 10:50am W 2:00pm - 3:50pm	Seats (Total: 20) KEB 1110 AJC 1121	 Lab
0103	Brian Blair M 10:00am - 10:50am Th 9:30am - 11:20am	Seats (Total: 20) KEB 1110 AJC 1121	 Lab

0104	Brian Blair M 10:00am - 10:50am Th 1:00pm - 2:50pm	Seats (Total: 20) KEB 1110 AJC 1121	 Lab

BIOE221 **Academic and Career Planning**

(Perm req)

Credits: 1 Grading Method: Regular

Prerequisite: Minimum grade of C- in BIOE120 and (BIOE121 or a minimum of 60 credits). Restriction: Permission of ENGR-Fischell Department of Bioengineering and must be in Engineering: Bioengineering program.

Provides practical tools to help Bioengineering majors think critically about their goals and career paths. Guides Bioengineering students through accessing useful resources both on- and off-campus.

0101	Abby Shantzis, Melanie Prange Tu 3:30pm - 4:20pm	Seats (Total: 60) ATL 2400	

BIOE232 **Bioengineering Thermodynamics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS261 and PHYS260. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE232, ENES232, ENME232, or ENME320.

A quantitative introduction to thermodynamic analysis of bioengineering systems. Bioengineering encompasses a wide range of applications from nanoscale interactions (e.g. reactions between molecules), to cellular interactions (e.g. membrane electrical currents), to overall balances on organisms, all the way to large scale manufacturing. Each of these applications (and many others not mentioned) involve energy interactions which is the domain of thermodynamics. The basic laws of thermodynamics will be introduced and explained through a series of examples related to bioengineering systems.

0101	Silvina Matysiak TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 30) KEB 1110 AJC 2121	 Discussion
0102	Silvina Matysiak TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 30) KEB 1110 AJC 2121	 Discussion

BIOE241 **Biocomputational Methods**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Fischell Department of Bioengineering and must be in Engineering: Bioengineering program.

Introduction to programming and computational analysis in bioengineering using MATLAB. Emphasizes modeling of biological systems, biomedical data analysis, and engineering problem-solving. Includes an introduction to machine learning with applications such as biomedical signal classification and pattern recognition.

0101	Kyung Koh TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 30) ATL 1113 KEB 2107	 Discussion
0102	Kyung Koh TuTh 12:30pm - 1:45pm W 5:00pm - 5:50pm	Seats (Total: 30) ATL 1113 KEB 2111	 Discussion

BIOE246 **Differential Equations for Bioengineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in MATH243 . Restriction: Permission of the Fischell Department of Bioengineering.

Students will learn to solve differential equations, including linear first order differential equations, higher order differential equations, and partial differential equations. In addition, students will learn to apply differential equations to concepts in bioengineering.

0101	Kyung Koh MWF 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 30) IRB 1116 AJC 2119	 Discussion
0102	Kyung Koh MWF 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 30) IRB 1116 CHE 2116	 Discussion

BIOE331 **Biofluids**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENES102, BIOE120, BIOE241, and BIOE246; and must have completed with a minimum grade of C- or be concurrently enrolled in BIOE232. Restriction: Permission of ENGR-Fischell Department of Bioengineering and must be in Engineering: Bioengineering program. Credit only granted for: BIOE331, ENCE305, ENFP300 or ENME331.

Principles and applications of fluid mechanics with a focus on bioengineering topics. Content includes conservation of mass, momentum, and energy, as well as the application of these fundamental relations to hydrostatics, control volume analysis, internal and external flow, and boundary layers. Mass transfer via diffusion and convection is also introduced. Applications to biological and bioengineering problems such as tissue engineering, bioprocessing, imaging, and drug delivery.

0101	Deborah Goldberg TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 60) KEB 1110 ANS 0408	Discussion

BIOE340 **Modeling Physiological Systems and Lab**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI330 and BIOE331. Restriction: Permission of ENGR-Fischell Department of Bioengineering and must be in Engineering: Bioengineering program. Credit only granted for: BIOE340, BSCI440, or BSCI450.

Human physiology from a systems perspective is integrated with quantitative methods to inform modeling approaches and bioengineering designs. A laboratory component is included.

0101	John Fisher TuTh 3:30pm - 4:45pm Th 5:00pm - 6:30pm *Lab will meet in either KEB2107 or KEB2111.*	Seats (Total: 30) PHY 1201 KEB 2111	Lab
0102	John Fisher TuTh 3:30pm - 4:45pm Th 5:00pm - 6:30pm	Seats (Total: 30) PHY 1201 KEB 2107	Lab

BIOE371 **Linear Systems and Ordinary Differential Equations for Bioengineering Applications**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BIOE241; and must have completed or be concurrently enrolled in MATH246. Restriction: Permission on ENGR-Fischell Department of Bioengineering department.

This class utilizes fundamentals in linear systems, including eigenvalues and eigenvectors, as well as linear differential equations, to study various problems in bioengineering and biological systems, with a particular emphasis on feedback, stability, controllability, and control design.

0101	Kyung Koh TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 30) CSI 3117 AJC 2119	Discussion
0102	Kyung Koh TuTh 9:30am - 10:45am F 3:00pm - 3:50pm	Seats (Total: 30) CSI 3117 AJC 2134	Discussion

BIOE372 **Biostatistics for Experimental Design and Data Analysis**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: BIOE120, BIOE121, and BIOE241. Recommended: MATH246. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE372 or STAT464.

This course will instruct students in the fundamentals of probability and statistics through examples in biological phenomenon, the design of bioengineering experiments, and clinical data analysis. Fundamentals covered in the course include probability distributions, hypothesis testing, power analysis, regression analysis, and correlation analysis.

0101	Brian Blair MWF 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 30) KEB 1110 AJC 2134	 Discussion
0102	Brian Blair MWF 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 30) KEB 1110 AJC 2134	 Discussion

BIOE389M **Special Projects in Bioengineering; Research Skills and Professional Development for MARC Scholars**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Exploring a variety of projects in Bioengineering.

Restriction: Must be a student in the Maximizing Access to Research Careers (MARC) Program. The course will provide instruction and opportunities for development in research skills and scientific communication, along with individualized preparation towards graduate school and a career in biomedical research.

0101	Kimberly Stroka Class time/details on ELMs	Seats (Total: 10) ONLINE

BIOE399 **Independent Study in Bioengineering**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Independent study.

Prerequisite: permission of department.

Contact department for information to register for this course.

BIOE399H **Independent Study in Bioengineering**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Independent study.

Contact department for information to register for this course.

BIOE411 **Tissue Engineering**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BIOE120 and BSCI330; and must have earned a minimum of 60 credits. Restriction: Permission of ENGR-Fischell Department of Bioengineering and must be in Engineering: Bioengineering program.

A review of the fundamental principles involved in the design of engineered tissues and organs. Both biological and engineering fundamentals will be considered.

0101	Beatrice Kondo	Seats (Total: 31)
	MWF 1:00pm - 1:50pm	AJC 2134

BIOE413 **Stem Cell Engineering**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed with a minimum grade of C- or be concurrently enrolled in BIOE340; and must have earned a minimum of 60 credits. Restriction: Permission of ENGR-Fischell Department of Bioengineering and must be in Engineering: Bioengineering program. Jointly offered with: BIOE613. Credit only granted for: BIOE413 or BIOE613.

Provides an introduction to the role of stem cells in tissue growth and development, the engineering of stem cells and their environments for regenerative medicine applications, and disease modeling. Topics covered will include basic stem cell biology and mechanobiology; experimental methods for growing, differentiating, studying, and characterizing stem cells; stem cell integration into engineered microenvironments (e.g., tissue scaffolds and biomaterials, organ-on-chip devices, 3D-printed biomaterials); stem cell engineering in clinical applications and disease models; and ethical, commercialization, and regulatory issues in the field of stem cell engineering.

0101	Beatrice Kondo	Seats (Total: 27)
	MWF 12:00pm - 12:50pm	AJC 2119

BIOE420 **Bioimaging**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BIOE120, BIOE241, and BIOE246. Restriction: Permission of ENGR-Fischell Department of Bioengineering and must be in Engineering: Bioengineering program.

Covers the fundamental principles of major biomedical imaging techniques, including X-ray Imaging, Computer Tomography (CT), Magnetic Resonance Imaging (MRI), Ultrasound Imaging, Nuclear Medicine Imaging (SPECT/PET/CT), Optical Coherent Tomography (OCT), and Optical and Hyperspectral Imaging. The course will explore the underlying concepts of imaging system architectures, image reconstruction algorithms, and software implementation. Additionally, it will discuss the clinical interpretation of biomedical images and newer ways to use images for bio-related applications for diagnosis and analysis.

0101	Yang Tao TuTh 9:30am - 10:45am	Seats (Total: 40) AJC 2121

BIOE437 **Computer-Aided Design in Bioengineering**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in BIOE120 or must be in Engineering: Bioengineering program. Restriction: Permission of ENGR-Fischell Department of Bioengineering and must be in Engineering: Bioengineering program. Credit only granted for: BIOE437, ENME414, or ENME272.

Introduction to Computer-Aided Design (CAD). Lecture topics will summarize design methodology, review best-practices in hardware development, and discuss engineering applications. The course will culminate in a student-selected project leveraging CAD.

0101	Frank Modica W 6:00pm - 9:00pm	Seats (Total: 22) KEB 2111

BIOE442 **Python: Introduction to Programming and Data Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BIOE120 and BIOE241. Restriction: Permission of ENGR-Fischell Department of Bioengineering and must be in Engineering: Bioengineering program.

Provides an introduction to structured programming, computational methods, and data analysis techniques with the goal of building a foundation allowing students to confidently address problems in research and industry. Fundamentals of programming, algorithms, and simulation are covered from a general computer science perspective, while the applied data analysis and visualization portion makes use of the Python SciPy stack.

0101	Jonathan Resop MWF 4:00pm - 4:50pm	Seats (Total: 30) KEB 2107

BIOE453 **Biomaterials**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BIOE120 and CHEM231; must have earned a minimum of 60 credits. Restriction: Permission of ENGR-Fischell Department of Bioengineering and must be in Engineering: Bioengineering program. Credit only granted for: BIOE453, CHBE457, or ENMA425.

Examination of the structure and function of natural biomaterials, and cell-extracellular matrix interactions. Study physical properties of synthetic biomaterials for biomedical applications. Understanding molecular level interactions between biomolecules and biomaterials to design novel biomaterials with desirable characteristics. Application of biomaterials as implants, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds will be covered.

0101	Erika Moore TuTh 2:00pm - 3:15pm	Seats (Total: 30) AJC 2132	

BIOE457 **Biomedical Electronics & Instrumentation**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BIOE120, BIOE241, BIOE246, PHYS260, and PHYS261. Restriction: Permission of ENGR-Fischell Department of Bioengineering department and must be in Engineering: Bioengineering program.

Students learn fundamental concepts of electronics, assembly of electronic components into functional circuits, and integration of functional electronic devices and circuits into a system. In the lab component, students will learn to assemble and evaluate circuits and systems.

0101	Ian White MWF 10:00am - 10:50am W 12:00pm - 1:50pm	Seats (Total: 45) IRB 1116 AJC 1118	 Lab
0102	Ian White MWF 10:00am - 10:50am W 3:30pm - 5:20pm	Seats (Total: 45) IRB 1116 AJC 1118	 Lab

BIOE461 **Synthetic Biology and Biological Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in BIOE120, must have earned a minimum of 60 credits. Restriction: Permission of ENGR-Fischell Department of Bioengineering and must be in Engineering: Bioengineering program.

Students are introduce to the scientific foundation and concepts of synthetic biology and biological engineering. Current examples that apply synthetic biology to fundamental and practical challenges will be emphasized. The course will also address the societal issues of synthetic biology, and briefly examine interests to regulate research in this area.

0101	Sara Molinari TuTh 2:00pm - 3:15pm	Seats (Total: 30) AJC 2134	

BIOE462 **Therapeutic Development and Delivery**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed with a minimum grade of C- or be concurrently enrolled in BIOE340. Restriction: Permission of ENGR-Fischell Department of Bioengineering and must be in Engineering: Bioengineering program.

The ultimate purpose of the pharmaceutical and biotechnology industries is the development and delivery of therapeutics. This course covers fundamentals of engineering and the pharmaceutical sciences related to therapeutics, including basic pharmaceutics/drug delivery, pharmacokinetics, biomolecular kinetics, and regulatory issues. Specific focus is placed on biotherapeutics, including antibodies and protein engineering,RNA and DNA therapeutics (gene therapy and RNAi), extracellular vesicle biotechnology (exosomes), and cell-based therapies, including stem cells. The use of delivery technologies to enable therapeutics (e.g. nanomedicine) will also be discussed.

0101	Steven Jay	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	AJC 2134

BIOE485 **Capstone Design I: Entrepreneurship, Regulatory Issues, and Ethics**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 21 credits in BIOE courses; and must have completed or be concurrently enrolled in BIOE457. Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and senior standing; and must be in Engineering: Bioengineering program.

This is the first part of a two-semester senior capstone design course which covers principles involved in engineering design, design approaches, economics of design, ethics in engineering, and patent regulations. It also helps students learn team work and write design project proposals under the mentorship of a faculty advisor.

A Fearless Ideas Course from the Academy for Innovation & Entrepreneurship (AIE): http://ter.ps/iamFEARLESS Click here for more information on the Fearless Ideas Courses.

0101	Yang Tao	Seats (Total: 130)
	MW 2:00pm - 3:15pm	EGR 1202

BIOE488B **Research Methods in Bioengineering; Biotechnology**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Exploring a variety of research methods in the field of Bioengineering.

Prerequisites: BIOE120, BIOE121, and BSCI330. Restriction: permission of department. This course prepares students for a broad range of opportunities by delivering a practical, hands-on experience appropriate for a student interested in biotechnology. Students will gain exposure to: recombinant DNA, cell culture, transfection/transformation, and molecular biology assayssuch as: PCR/sequencing, gels/blots, reporter gene expression. This course provides students with a working research laboratory environment experience.

0101	Beatrice Kondo	Seats (Total: 8)	
	M 3:30pm - 5:20pm	AJC 1121	
	F 2:15pm - 3:30pm	AJC 1121	

BIOE489H **Special Topics in Bioengineering; Bioengineering Honors Seminar**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Exploring a variety of topics with Bioengineering.

Restricted to students in the BIOE Honors Proram.

0101	Jose Aranda-Espinoza	Seats (Total: 30)	
	M 3:30pm - 4:30pm	MTH 0403	

BIOE602 **Cellular and Tissue Biomechanics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Introduction to the fundamentals of biomechanics including force analysis, mechanics of deformable bodies, stress and strain, multiaxial deformations, stress analysis, and viscoelasticity. Biomechanics of soft and hard tissues.

0101	Kimberly Stroka	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	AJC 2134	

BIOE605 **BIOE Graduate Studies I**

(Perm req)

Credits: 1 Grading Method: Regular

Restriction: Must be in ENGR: PhD Only-Bioengineering (Doctoral) program.

Introduction to the bioengineering graduate program. Students gain exposure to departmental research through lab rotation and to current research in the field through seminar. Students will also gain preparation and guidance on other first-year academic requirements.

0101	Steven Jay	Seats (Total: 30)	
	F 10:00am - 10:50am	AJC 2132	
	F 9:00am - 9:50am	AJC 2132	Discussion

BIOE608 **Bioengineering Seminar Series**

(Perm req)

Credits: 1

Grading Method: Sat-Fail, Audit

A variety of topics related to Bioengineering will be presented in weekly seminars.

For BIOE majors only.

0101	Ian White, Catherine Kuo F 9:00am - 10:50am	Seats (Total: 40) AJC 2121

BIOE610 **Mathematical Methods in Bioengineering**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Restriction: Permission of ENGR-Fischell Department of Bioengineering.

From diffusion problems to light-matter interactions, students will learn basic skills needed to create mathematical models in bioengineering. Students will first be exposed to simplified problems in analytical form, and then more complex problems with the help of computer software programs.

0101	Deborah Goldberg TuTh 9:30am - 10:45am	Seats (Total: 30) AJC 2119

BIOE651 **Applied Mathematics in Bioengineering**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Restriction: Restricted to Master's of Engineering - Bioengineering students; or permission of Fischell Department of Bioengineering. Credit only granted for: BIOE651 or BIOE658M. Formerly: BIOE658M.

Students will use and learn mathematical concepts that are directly relevant to their career as a bioengineer. They will apply these concepts to various bioengineering applications while also learning industry-relevant analytical software.

0101	Austin Tapp WF 4:30pm - 5:45pm	Seats (Total: 15) ONLINE
BI01	Austin Tapp Class time/details on ELMs	Seats (Total: 15) ONLINE

BIOE658J **Special Topics in Bioengineering (M.Eng.); Introduction to Programming and Data Analysis using Python**

(Perm req)

Credits: 3

Grading Method: Regular

Special topics in Bioengineering.

Restriction: For Master of Engineering students only or with permission of department. Aims to provide an introduction to structured programming, computational methods, and data analysis techniques, with the goal of equipping students with a foundation that allows them to confidently tackle problems in research and industry. The course begins with basic programming concepts such as data types, operators, logical flow control, debugging, and computational complexity using Python. It then delves into more advanced topics such as dynamic programming, algorithms, and object-oriented programming. Students will also be introduced to effective tools and libraries for data analysis and visualization. Towards the end of the course, there will be an overview of machine learning, artificial intelligence, neural networks, and convolution neural networks, along with some useful libraries and modules.

0101	Bahaa Ghammraoui M 5:00pm - 7:30pm	Seats (Total: 15) AJC 2121
BI01	Bahaa Ghammraoui Class time/details on ELMs	Seats (Total: 15) ONLINE

BIOE658K **Special Topics in Bioengineering (M.Eng.); Applied Computer Vision**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Special topics in Bioengineering.

Prerequisites: BIOE651 and BIOE658J. Introduction to the basics and modern deep learning models in the Artificial Intelligence field of computer vision. The course emphasizes applications of computer vision in medical imaging. Computer vision techniques will be demonstrated using software packages implementing bioimage informatics methods.

0101	Jian Su Tu 5:00pm - 7:30pm	Seats (Total: 15) ONLINE
BI01	Jian Su Class time/details on ELMs	Seats (Total: 15) ONLINE

BIOE658R **Special Topics in Bioengineering (M.Eng.); Regulatory Affairs in Medical Product Development**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Special topics in Bioengineering.

For Master of Engineering students only or with permission of department. Credit will only be granted for ANTH627 or BIOE658R. An introductory course on regulations associated with the development and production of medical devices and pharmaceuticals.

0101	Valerie Merkle TuTh 5:00pm - 6:15pm	Seats (Total: 15) AJC 2121

BI01	Valerie Merkle	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

BIOE689 **Special Topics in Bioengineering**

(Perm req)

Credits: 1-3 Grading Method: Regular

Research Oriented Individual Instruction course.

Contact department for information to register for this course.

BIOE689E **Special Topics in Bioengineering; Model-Based Public Policy**

(Perm req)

Credits: 3 Grading Method: Regular

Research Oriented Individual Instruction course.

Equivalent of differential equations, experience in coding is preferable. The first part of the class will be dedicated to learning what public policy is, a few case studies will be reviewed. In particular, we will analyze cases where the use of models can be contrasted with public policy without models. The use of different models used in public policy will be discussed. The course will focus on learning agent based modeling (ABM), which has been used in many areas of science, including social and health sciences. Specific examples will be presented and students will create a model for a specific policy need.

0101	Jose Aranda-Espinoza	Seats (Total: 15)
	F 3:00pm - 4:50pm	AJC 2132

BIOE689F **Special Topics in Bioengineering; Spatial Biology: Bioinformatics, Omics, and Technology**

(Perm req)

Credits: 3 Grading Method: Regular

Research Oriented Individual Instruction course.

Restrictions: Permission of the Fischell Department of Bioengineering Introduction to modern spatial biology methods, beginning with clinical motivations and pathology, moving to the materials, imaging, and chemistries that enable spatial methods, and ending with spatial omics analysis and bioinformatics. This course will cover clinical and engineering background and theory, and practical spatial omics programming and analysis.

0101	Alexander Xu	Seats (Total: 15)
	MW 11:00am - 12:15pm	AJC 2121

BIOE799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

BIOE898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

BIOE899 **Doctoral Dissertation Research**

(Perm req) Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

BIOI Bioinformatics and Computational Biology Fall 2025

BIOI601 **Probability and Statistics**

Credits: 3 Grading Method: Regular

Prerequisite: Undergraduate courses in calculus and basic linear algebra. Cross-listed with: DATA601, MSAI601, MSML601. Credit only granted for: BIOI601, DATA601, MSAI601 or MSML601.

Provides a solid understanding of the fundamental concepts of probability theory and statistics. The course covers the basic probabilistic concepts such as probability space, random variables and vectors, expectation, covariance, correlation, probability distribution functions, etc. Important classes of discrete and continuous random variables, their inter-relation, and relevance to applications are discussed. Conditional probabilities, the Bayes formula, and properties of jointly distributed random variables are covered. Limit theorems, which investigate the behavior of a sum of a large number of random variables, are discussed. The main concepts random processes are then introduced. The latter part of the course concerns the basic problems of mathematical statistics, in particular, point and interval estimation and hypothesis testing.

PCS1	Jonathan Fernandes W 6:00pm - 8:45pm Class time/details on ELMs	Seats (Total: 55) BPS 1243 ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PCS2	Anna Szczekutowicz M 12:00pm - 2:45pm	Seats (Total: 55) SQH 1117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS3	Anna Szczekutowicz M 5:00pm - 7:45pm	Seats (Total: 55) PHY 1410
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS4	Roohollah Ebrahimian Th 3:00pm - 5:45pm	Seats (Total: 55) EGR 0108
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

PCS6	Jonathan Fernandes W 3:00pm - 5:45pm Class time/details on ELMs	Seats (Total: 55) BPS 1243 ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PWS1	Leonid Koralov W 6:00pm - 8:45pm	Seats (Total: 55) ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will be fully online.	

BIOI602 **Principles of Data Science**

Credits: 3 Grading Method: Regular

Restriction: Must be in one of the following programs: (Data Science Post-Baccalaureate Certificate, Master of Professional Studies in Data Science and Analytics, or Master of Professional Studies in Machine Learning). Cross-listed with: DATA602, MSAI602, MSML602. Credit only granted for: BIOI602, DATA602, MSAI602, MSML602 or CMSC641. Formerly: CMSC641.

An introduction to the data science pipeline, i.e., the end-to-end process of going from unstructured, messy data to knowledge and actionable insights. Provides a broad overview of what data science means and systems and tools commonly used for data science, and illustrates the principles of data science through several case studies.

PCS1	Mohammad Nayeem Teli M 4:00pm - 6:45pm	Seats (Total: 50) CHE 2108
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS2	Fardina Alam Tu 5:00pm - 7:45pm	Seats (Total: 55) IRB 0318
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS3	Tammy Perrin M 3:00pm - 5:45pm	Seats (Total: 35) BPS 1243
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

PCS4	Tammy Perrin M 6:00pm - 8:45pm	Seats (Total: 35) BPS 1243
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS5	Tammy Perrin Th 4:30pm - 7:15pm	Seats (Total: 55) CHE 2110
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS6	Anna Evtushenko M 3:00pm - 5:45pm	Seats (Total: 35) ATL 2400
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS7	Anna Evtushenko M 6:00pm - 8:45pm	Seats (Total: 35) IRB 0318
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

BIOI603 **Principles of Machine Learning**

Credits: 3 Grading Method: Regular

Restriction: Must be in one of the following programs: (Data Science Post-Baccalaureate Certificate, Master of Professional Studies in Data Science and Analytics, or Master of Professional Studies in Machine Learning). Cross-listed with: DATA603, MSAI603, MSML603, MSQC603. Credit only granted for: BIOI603, DATA603, MSAI603, MSML603, MSQC603 or CMSC643. Formerly: CMSC643.

A broad introduction to machine learning and statistical pattern recognition. Topics include: Supervised learning: Bayes decision theory, discriminant functions, maximum likelihood estimation, nearest neighbor rule, linear discriminant analysis, support vector machines, neural networks, deep learning networks. Unsupervised learning: clustering, dimensionality reduction, PCA, auto-encoders. The course will also discuss recent applications of machine learning, such as computer vision, data mining, autonomous navigation, and speech recognition.

The lecture may be conducted online some weeks and in person other weeks. Please see ELMS for Class meeting details.

PCS1	Babak Azimi-Sadjadi M 6:00pm - 8:45pm	Seats (Total: 50) CSI 2117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

PCS2	Babak Azimi-Sadjadi Th 6:00pm - 8:45pm	Seats (Total: 50) MCB 1207
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS3	Alejandra Mercado F 9:00am - 11:45am	Seats (Total: 50) PLS 1140
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS4	Richard La Tu 3:30pm - 6:15pm	Seats (Total: 50) TWS 0310
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS5	Richard La Tu 7:00pm - 9:45pm	Seats (Total: 50) TWS 1100
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PWS1	Kemal Davaslioglu Th 6:00pm - 8:45pm	Seats (Total: 50) ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will be fully online.	

BIOI604 Principles of Molecular Biology, Genetics and Genomics

Credits: 3 Grading Method: Regular

Provides a review of basic concepts in molecular biology, genetics, and genomics. Topics include the following: prokaryotic and eukaryotic genome structure and organization (including 3D architecture); Mendelian genetics, recombination, linkage and linkage disequilibrium, genome-wide association studies; review of genome projects, comparative genomics, genome variation, single nucleotide polymorphisms and genotyping; gene expression and the transcriptome, transcriptional regulation, gene regulatory networks; translation and translational regulation; proteomics approaches; integrative genomics.

PCS1	Najib El-Sayed, Volker Briken M 6:00pm - 8:45pm	Seats (Total: 30) ESJ 0215
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

BIOI610 Genome Annotation

Credits: 3 Grading Method: Regular

Prerequisite: BIOI604.

An introduction to approaches for the structural and functional annotation of genome content. Topics covered include the following: ab initio gene/coding sequence discovery; signals and signal sensors (including regulatory sequences); non-protein coding genes and other structural features of genome sequences; similarity searches (orthologs, paralogs, xenologs); clustering of genes by sequence similarity; clusters of orthologous genes; phylogenetic classification of genes; gene ontologies, gene set enrichment analyses; NGS functional assays; integrated genomics circuits; and annotation databases. Prerequisite: BIOI 604

PCS1	Ali Ali	Seats (Total: 30)
	W 6:00pm - 8:45pm	CSI 1121
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

BIOI611 **Analysis of Gene Expression Data**

Credits: 3 Grading Method: Regular

Prerequisite: BIOI604.

This course focuses on the analysis of transcriptomics data, and specifically on the analysis of gene and transcript-level expression. Material covered includes transcript and gene expression estimation from RNA-seq data (short and long-read), basic experimental design and statistical methods for differential expression analysis, discovery of novel transcripts via reference-guided and de novo assembly, and the analysis of single-cell gene expression data (e.g., single-cell expression quantification, dimensionality reduction, clustering, pseudotime analysis). Prerequisite: BIOI 604. Core.

PCS1	Shaojun Xie	Seats (Total: 30)
	Th 6:00pm - 8:45pm	CSI 3120
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

BIOL Biology Fall 2025

BIOL608K **Biology Seminar; Biological Sciences Teaching and Learning in Higher Education**

(Perm req)

Credits: 2 Grading Method: Regular

Cross-listed with CBMG699K, CHEM608K, and ENTM699K. Credit will be grant edfor only one of the following: BIOL608K, CBMG699K, CHEM608K, or ENTM699K.

0101	Gili Ad-Marbach	Seats (Total: 12)
	W 11:00am - 12:40pm	BPS 1208

BIOL609 **Special Problems in Biology**

Credits: 1-6 Grading Method: Regular

One seminar per week for each subject selected: A-Cell Biology; B-Developmental Biology; C-Estuarine and Marine Biology; D-Genetics; E-Parasitology; F-Physiology; G-Systematics and Evolutionary Biology; I-Behavior; J-General; K-Endocrinology; L-Ecology.

Contact department for information to register for this course.

BIOL667 **Mathematical Biology**

Credits: 4 Grading Method: Regular

Credit only granted for: BIOL667 or ZOOL625. Formerly: ZOOL625.

Mathematical methods of analyzing deterministic and stochastic biological processes from a variety of areas (including population and evolutionary biology, neurobiology, physiology, and morphogenesis). Qualitative aspects of dynamical systems which are usually given as difference or differential equations. The computer program Mathematica will be used to obtain the numerical solutions of these equations.

0101	Jonathan Simon	Seats (Total: 3)	
	TuTh 9:30am - 10:45am	JMP 1202	
	M 1:00pm - 3:50pm	JMP 1202	Lab

BIOL704 **Cell Biology from a Biophysical Perspective**

Credits: 3 Grading Method: Regular

Recommended: BSCI330, PHYS121, and PHYS122. Cross-listed with: BIPH704. Jointly offered with: BSCI404. Credit only granted for: BSCI404, BIOL704, BIOL708O, or BIPH704. Formerly: BIOL708O.

An approach to cell biology by focusing on mechanisms and unifying paradigms. It will not assume a great deal of factual biological knowledge, but will expect a background that prepares students to think quantitatively and mechanistically.

0101	Sergei Sukharev	Seats (Total: 9)	
	TuTh 3:30pm - 4:45pm	PLS 1113	

BIOL708B **Advanced Topics in Biology; Animal Behavior**

Credits: 3 Grading Method: Regular

Lectures, experimental courses and other special instructions in various zoological subjects.

Credit only granted for BSCI360 and BIOL708B. Study of animal behavior with emphasis on its evolution and function. Topics include genetic basis of behavior, communication, aggression, foraging, cooperation, mate selection, and relevance for conservation.

0103	Gerald Wilkinson	Seats (Total: 2)	
	MW 11:00am - 11:50am	ESJ 0215	
	F 11:00am - 11:50am	PLS 1115	Discussion

BIOL709C **Selected Advanced Topics in Biology; Population and Evolutionary Genetics**

Credits: 3 Grading Method: Regular, Audit

Lectures, experimental courses and other special instructions in various biological subjects.

Credit only granted for BSCI339J, BSCI405, or BIOL709C. Genetic variation within a population provides the basis for future evolution as well as a record of past evolution. The genomics revolution provides data on this variation that, together with mathematical models, allow us to read this record to reconstruct evolutionary trajectories. Examples will focus on hominin and pathogen evolution. In the lab, students will use models to explore how genetic variation (allele frequencies) chagnes over time and space.

0101	Philip Johnson	Seats (Total: 8)	
	MW 10:00am - 10:50am F 10:00am - 11:50am	ESJ B0320 ESJ 2309	Lab

BIOL709W **Selected Advanced Topics in Biology; Molecular Neuroethology**

Credits: 3 Grading Method: Regular, Audit

Lectures, experimental courses and other special instructions in various biological subjects.

Credit only granted for BSCI339W, BSCI381, or BIOL709W. The brain generates a tremendous variety of behaviors, but how it achieves these feats remains largely unknown. Genetics and molecular tools yield fundamental insights into how the brain senses its environment and determines an appropriate course of action. This course will describe modern genetic manipulations (eg, CRISPR editing) and neuronal interventions (e. g., optogenetics), and discuss the quantification of behavioral outputs. Course consists of lectures plus readings and group discussionsof primary scientific literature.

0101	Scott Juntti	Seats (Total: 5)	
	TuTh 3:30pm - 4:45pm	BPS 0283	

BIOL799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

BIOL898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

BIOL899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

BIOM Biometrics Fall 2025

BIOM301 **Introduction to Biometrics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSAR

Prerequisite: MATH113 or MATH115.

Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.

0101	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 28) HJP 0226 ANS 0473	Discussion
0102	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 28) HJP 0226 ANS 0473	Discussion
0103	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 3:00pm - 3:50pm	Seats (Total: 28) HJP 0226 ANS 0473	Discussion
0104	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 28) HJP 0226 ANS 0473	Discussion
0105	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 28) HJP 0226 ANS 0473	Discussion
0106	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 28) HJP 0226 ANS 0473	Discussion
0107	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 28) HJP 0226 ANS 0473	Discussion
0109	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 3:00pm - 3:50pm *This section is restricted to Animal Science students.*	Seats (Total: 28) HJP 0226 PLS 1164	Discussion

BIOM405 **Computer Applications in Biometrics**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

An introduction to computer applications for data analysis. This is equivalent to the computer lab of 601 and is required for students that have taken BIOM301 and BIOM402 and wish to go directly into BIOM602.

0101	Li Ma	Seats (Total: 5)	
	Class time/details on ELMs	ONLINE	

BIOM601 **Biostatistics I**

Credits: 4 Grading Method: Regular, Audit

Prerequisite: BIOM301 or STAT464; or students who have taken courses with comparable content may contact the department. Credit only granted for: BIOM401 or BIOM601.

Estimation and hypothesis testing, t tests, one and two way analysis of variance, regression, analysis of frequency data. Lecture will emphasize uses and limitations of these methods in biology, while the laboratory will emphasize the use of statistical analysis software for the analysis of biological data.

0101	Li Ma	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	ANS 0408	
	Tu 2:00pm - 4:00pm	ANS 0473	Lab
0102	Li Ma	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	ANS 0408	
	W 9:00am - 11:00am	ANS 0473	Lab
0104	Li Ma	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	ANS 0408	
	Th 2:00pm - 4:00pm	ONLINE	Lab

BIOM688A **Topics in Biometrics; Consulting Experience in Biometrics**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest in various areas of biometrics. Credit assigned will depend on lecture and/or laboratory time scheduled and organization of the course.

Contact department for information to register for this course.

BIOM698 **Special Problems in Biometrics**

Credits: 1-3 Grading Method: Regular, Audit

Individual study of a particular topic in biostatistics or biomathematics.

Contact department for information to register for this course.

BIPH698L **Biophysics Seminar; Biophysics**

Credits: 1 Grading Method: Regular, Audit

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 20) IPT 1116

BIPH699 **Research in Biophysics**

Credits: 2 Grading Method: Regular

Supervised research in biophysics laboratories. Rotations through several laboratories prior to a choice of laboratory for a research assistantship.

Contact department for information to register for this course.

BIPH704 **Cell Biology from a Biophysical Perspective**

Credits: 3 Grading Method: Regular

Recommended: BSCI330, PHYS121, and PHYS122. Cross-listed with: BIOL704. Jointly offered with: BSCI404. Credit only granted for: BSCI404, BIOL704, BIOL708O, or BIPH704. Formerly: BIOL708O.

An approach to cell biology by focusing on mechanisms and unifying paradigms. It will not assume a great deal of factual biological knowledge, but will expect a background that prepares students to think quantitatively and mechanistically.

0101	Sergei Sukharev TuTh 3:30pm - 4:45pm	Seats (Total: 9) PLS 1113

BIPH799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

BIPH898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

BIPH899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

BISI Biological Sciences Fall 2025

BISI620 **Bioinformatics and Genomics**

Credits: 2 Grading Method: Regular, Audit

Credit only granted for: CBMG688Y or BISI620. Formerly: CBMG688Y.

Provides an overview of some major topics and research areas bioinformatics and genomics, and includes material from basic foundations through advanced concepts.

0101	Michael Cummings, Najib El-Sayed **Meets September 2, 2025 - October 17, 2025** TuTh 9:00am - 10:50am	Seats (Total: 24) HBK 1112

BISI622 **Programming for Biology**

Credits: 2 Grading Method: Regular

Credit only granted for: BISI622 and CBMG688P. Formerly: CBMG688P.

Special Topics in Cell Biology and Molecular Genetics; Programming for Biology

0101	Najib El-Sayed, Brian Pierce **Meets October 20, 2025 - December 12, 2025** TuTh 9:00am - 10:50am	Seats (Total: 25) MCB 2119

BISI699 **Special Problems in Biological Sciences**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Independent study with a specific faculty instructor from the Biological Sciences Program (BISI). Often involves original research in a laboratory or computational setting.

Contact department for information to register for this course.

BISI701 **Teaching & Professional Development in Biology**

Credits: 1 Grading Method: Sat-Fail

Cross-listed with: ENTM701. Credit only granted for: ENTM701, BISI688Z, CBMG688Z, or BIOL701. Formerly: BISI688Z, CBMG688Z, BIOL701. Additional information: Priority enrollment will be given to students in the BISI Graduate Program.

Provides graduate students in the biological sciences with the foundational knowledge to become better teaching assistants and gives them an introduction into the skills and tools that they need to develop as professional scientists and educators.

0101	Wade Winkler Tu 6:00pm - 8:00pm	Seats (Total: 20) BPS 1238
0201	Kelly Hamby Tu 6:00pm - 8:00pm	Seats (Total: 20) PLS 4102

BISI712 **Responsible Conduct of Research for Biologists**

Credits: 1 Grading Method: Regular

Credit only granted for: BISI712, BISI688B, or CBMG688B. Formerly: BISI688B and CBMG688B.

An exploration of the ethical dimensions associated with the responsible conduct of scientific research focusing on providing students with practical insights into the existing norms and expectations of working scientists.

0201	David Mosser	Seats (Total: 16)
	Meets October 22, 2025 - December 8, 2025	
	Tu 9:00am - 11:00am	BRB 3101

BISI799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

BISI898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Restriction: Must be in Biological Sciences (Doctoral) program.

Contact department for information to register for this course.

BISI899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

BMGT Business and Management Fall 2025

BMGT099 **Internship Seminar**

(Perm req)

Credits: 0 Grading Method: Sat-Fail

Complements students' supervised work experiences. Involves exploring career options, developing professional work skills, examining the relationship between internship and academic coursework. Course may be repeated.

Contact department for information to register for this course.

BMGT110 **Introduction to the Business Value Chain**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: IE

Students are provided with an introduction to the business value chain with an emphasis on inter-organizational and intra-organizational coordination of core business processes. Emphasis is on cross-functional integration and the efficient and effective management of core processes with an emphasis on marketing, operations and supply chain management.

0101	Jeff Miller	Seats (Total: 250)
	MW 2:00pm - 3:15pm	VMH 1524

BMGT110F **Introduction to the Business Value Chain**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: IE

Restricted to Smith School's Smith Start (FPFF) students.

0101	Leland Gardner M 8:00am - 9:15am W 8:00am - 9:15am	Seats (Total: 42) VMH 1307 Location: TBA
0201	Leland Gardner M 9:30am - 10:45am W 9:30am - 10:45am	Seats (Total: 42) VMH 1307 Location: TBA
0301	Leland Gardner M 12:30pm - 1:45pm W 12:30pm - 1:45pm	Seats (Total: 42) VMH 1418 Location: TBA
0401	Jeffrey Mund Th 11:00am - 12:15pm Tu 11:00am - 12:15pm	Seats (Total: 42) VMH 1303 Location: TBA
0501	Jeffrey Mund Th 9:30am - 10:45am Tu 9:30am - 10:45am	Seats (Total: 42) VMH 1303 Location: TBA
0601	Jeffrey Mund Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 42) VMH 1303 Location: TBA
0701	Jeffrey Mund Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 42) VMH 1303 Location: TBA
0801	Jeffrey Mund Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 42) VMH 1303 Location: TBA
0901	Jeffrey Mund Th 12:30pm - 1:45pm Tu 12:30pm - 1:45pm	Seats (Total: 42) VMH 1303 Location: TBA

1001	Adams Steven W 9:30am - 10:45am M 9:30am - 10:45am	Seats (Total: 42) VMH 1307 Location: TBA
1101	Adams Steven W 12:30pm - 1:45pm M 12:30pm - 1:45pm	Seats (Total: 42) VMH 1418 Location: TBA
1201	Leland Gardner W 8:00am - 9:15am M 8:00am - 9:15am	Seats (Total: 42) VMH 1307 Location: TBA

BMGT110L Introduction to the Business Value Chain

Credits: 3 Grading Method: Regular CORE: IE

Students are provided with an introduction to the business value chain with an emphasis on inter-organizational and intra-organizational coordination of core business processes. Emphasis is on cross-functional integration and the efficient and effective management of core processes with an emphasis on marketing, operations and supply chain management.

Restricted to Smith Business Leadership Fellows (SBLF).

0101	Jonathan Crocker M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 30) VMH 1206 Location: TBA
0201	Jonathan Crocker W 3:30pm - 4:45pm M 3:30pm - 4:45pm	Seats (Total: 30) VMH 1206 Location: TBA

BMGT161 Creative Problem Solving

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP, SCIS

Examines the concept of creative problem solving as it applies in today's and tomorrow's complex business environment. Students will develop an understanding of the creative problem solving process with its distinctive cognitive steps of Divergent Thinking, Emergent Thinking and Convergent Thinking. Topics include creativity techniques for groups and individuals, creativity as a foundation to recognize business opportunities and develop innovative products and services, selecting ideas and making them stick, mental and organizational obstacles to creativity as well as an overview of electronic tools to increase creative capability.

Restriction: Must be enrolled in College Park Scholars' Business, Society and the Economy (CPBE) program.

0101	Oliver Schlake MW 9:30am - 10:45am	Seats (Total: 50) CCC 1111
0201	Oliver Schlake MW 11:00am - 12:15pm	Seats (Total: 50) CCC 1111

BMGT162 The Future of You, Business and Society

Credits: 3 Grading Method: Regular

Designed to help you (students) explore the future of you, business, and society. Even as the nature of business (the how) evolves with technology, the purpose of business --to create individual and social prosperity (the why) --remains the same. This course will integrate the "why" and the "how" to prepare students for the future of work. Students will learn the foundational concepts of how to lead themselves with purpose and develop win-win relationships. Students will also learn how organizations solve unmet needs in society, and how they develop and leverage the power of technology and new business practices to create value in a sound and ethical way.

Restricted to Smith Business Leadership Fellows (SBLF).

0101	Neta Moye TuTh 2:00pm - 3:15pm	Seats (Total: 38) VMH 1407
0201	Christine Schaaf TuTh 2:00pm - 3:15pm	Seats (Total: 38) VMH 1407

BMGT207 Ethics of Artificial Intelligence

Credits: 3 Grading Method: Regular General Education: DSSP, SCIS

What ethical considerations should govern the creation, distribution, and use of artificial intelligence innovations in industry, polity, and society in the future? New and emerging innovations in artificial intelligence (AI) are disrupting sectors as diverse as healthcare, medicine, finance, operations, supply chain, manufacturing, media and journalism, and the creative industries. In the near future, the dependence of humans on AI for a myriad of social activities including companionship and care is also expected to accelerate. This course deals with the question of how we should ensure AI will create ethical economic and social systems that reflect the kind of world we want to live in 20 to 30 years from now. The values and ethics of society will influence and govern how AI can either contribute to humanity or lead to a dystrophic future.

0101	Lauren Rhue Th 6:30pm - 9:10pm	Seats (Total: 60) VMH 1412

BMGT220 Principles of Accounting I

Credits: 3 Grading Method: Regular

Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers.

Restricted to all students with 24 credit hours completed.

0101	Emanuel Zur TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 48) VMH 1524 VMH 1335	 Discussion
0102	Emanuel Zur TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 48) VMH 1524 VMH 1335	 Discussion
0103	Emanuel Zur TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 48) VMH 1524 VMH 1335	 Discussion
0104	Emanuel Zur TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 48) VMH 1524 VMH 1335	 Discussion
0201	Emanuel Zur TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 48) VMH 1524 VMH 1307	 Discussion
0202	Emanuel Zur TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 48) VMH 1524 VMH 1307	 Discussion
0203	Emanuel Zur TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 48) VMH 1524 VMH 1307	 Discussion
0204	Emanuel Zur TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 48) VMH 1524 VMH 1307	 Discussion
0301	Xin Zhao TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 48) VMH 1524 VMH 1336	 Discussion

0302	Xin Zhao TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 48) VMH 1524 VMH 1336	Discussion
0303	Xin Zhao TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 48) VMH 1524 VMH 1336	Discussion
0304	Xin Zhao TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 48) VMH 1524 VMH 1336	Discussion

BMGT221 **Principles of Accounting II**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT220.

Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting.

Restricted to students with 24 credit hours completed.

0101	Mark Zakota TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 47) VMH 1524 VMH 1202	Discussion
0102	Mark Zakota TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 47) VMH 1524 VMH 1202	Discussion
0103	Mark Zakota TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 47) VMH 1524 VMH 1202	Discussion
0104	Mark Zakota TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 47) VMH 1524 VMH 1202	Discussion
0105	Mark Zakota TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 47) VMH 1524 VMH 1202	Discussion

0201	Mark Zakota TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 47) VMH 1524 VMH 1206	 Discussion
0202	Mark Zakota TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 47) VMH 1524 VMH 1206	 Discussion
0203	Mark Zakota TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 47) VMH 1524 VMH 1206	 Discussion
0204	Mark Zakota TuTh 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 47) VMH 1524 VMH 1206	 Discussion
0205	Mark Zakota TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 47) VMH 1524 VMH 1206	 Discussion

BMGT221L **Principles of Accounting II**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT220.

Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting.

Restricted to Smith Business Leadership Fellows (SBLF); College Park Scholars - Business, Society and the Economy (CPBE); and Interdisciplinary Business Honors (HBUS) majors.

0101	Michael McMillan MW 11:00am - 12:15pm	Seats (Total: 35) VMH 2511

BMGT230 **Business Statistics**

Credits: 3 Grading Method: Regular General Education: FSAR

Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH120 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324.

Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and management.

Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided with a makeup exam.

0101	Liz Stanwyck MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 33) VMH 1524 VMH 1311	 Discussion
0102	Liz Stanwyck MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 33) VMH 1524 VMH 1311	 Discussion
0103	Liz Stanwyck MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 33) VMH 1524 VMH 1311	 Discussion
0104	Liz Stanwyck MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 33) VMH 1524 VMH 1311	 Discussion
0105	Liz Stanwyck MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 33) VMH 1524 VMH 1311	 Discussion
0106	Liz Stanwyck MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 33) VMH 1524 VMH 1311	 Discussion
0201	Liz Stanwyck MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 33) VMH 1524 VMH 1418	 Discussion
0202	Liz Stanwyck MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 33) VMH 1524 VMH 1418	 Discussion
0203	Liz Stanwyck MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 33) VMH 1524 VMH 1418	 Discussion
0204	Liz Stanwyck MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 33) VMH 1524 VMH 1418	 Discussion

0205	Liz Stanwyck MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 33) VMH 1524 VMH 1418	 Discussion
0206	Liz Stanwyck MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 33) VMH 1524 VMH 1418	 Discussion
0301	Liz Stanwyck MW 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 33) VMH 1524 VMH 1303	 Discussion
0302	Liz Stanwyck MW 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 33) VMH 1524 VMH 1303	 Discussion
0303	Liz Stanwyck MW 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 33) VMH 1524 VMH 1303	 Discussion
0304	Liz Stanwyck MW 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 33) VMH 1524 VMH 1303	 Discussion
0305	Liz Stanwyck MW 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 33) VMH 1524 VMH 1303	 Discussion
0306	Liz Stanwyck MW 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 33) VMH 1524 VMH 1303	 Discussion
FC01	Radu Lazar MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 32) TWS 0205	

BMGT230L Business Statistics

Credits: 3 Grading Method: Regular General Education: FSAR

Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH120 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324.

Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and management.

Course restricted to Smith Business Leadership Fellows (SBLF); College Park Scholars - Business, Society and the Economy (CPBE); and Interdisciplinary Business Honors (HBUS)

0101	Ilya Ryzhov MW 9:30am - 10:45am	Seats (Total: 40) VMH 1311

BMGT262 The Enterprising Leader

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, SCIS

Designed to help students develop their leadership skills in order to identify their personal and professional purpose with an entrepreneurial mindset, and create strategies that will help them develop their abilities and achieve their aspirations by collaborating within teams and organizations. Students will apply insights from recent scholarship in entrepreneurship, leadership and strategic management to themselves in order to identify solutions to problems they find meaningful to solve in their own world. This self-discovery course will introduce students to the "CEO of ME, Inc." framework and tools such as the strategic initiatives matrix and business model canvas that they can use to help guide the choices that lie ahead, and develop collaborative, win-win relationships. In doing so, students will learn how to unlock the value of business in society and develop entrepreneurial and leadership skills that enable personal happiness and upward mobility.

0101	Neta Moye MW 11:00am - 12:15pm	Seats (Total: 65) SQH 1120

BMGT263 Challenge your Thinking, Challenge the Conversation

Credits: 3 | Grading Method: Regular

Provides conceptual frameworks and experiential opportunities that will enable students to engage in rational and respectful discourse. The course uses the latest pedagogical techniques and relevant literature to develop skills such as thinking like a scientist, negotiating conflict, and giving and receiving constructive feedback. Specific conversations will draw from current events and issues in business and in society.

Restricted to Smith Business Leadership Fellows (SBLF)

0101	Protiti Dastidar MW 12:30pm - 1:45pm	Seats (Total: 30) VMH 1407
0201	Rellie Rozin MW 12:30pm - 1:45pm	Seats (Total: 30) VMH 1407

BMGT289B How Do Innovators Think?

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, SCIS

In this course, students will learn about: a) the innovation process and the role of the individual in generating innovations and b) the attributes, habits, and skills of individuals who have successfully started innovative new businesses or significantly added value to an existing company.

0101	Clarence Wesley W 3:30pm - 4:45pm Class time/details on ELMs	Seats (Total: 60) TWS 0310 ONLINE

BMGT289D **Frauds, Scams, and Thefts: What, How and Why?**

Credits: 3 | Grading Method: Regular | General Education: DSSP, SCIS

"Why" does fraud happen? "How" does society address fraud? And "What" can you do to avoid and prevent fraud in your personal and future career life? This course is designed to give future professionals and managers of all disciplines a general background of fraud. Topics include the psychology of fraud, the mechanics of fraud, the legal landscape, securities fraud, cybercrime, and what all of us should know to protect ourselves from becoming victims of fraud. Additionally, students experience 21st century lessons in fraud examination that have practical application to our daily lives: avoiding cognitive biases, interviewing techniques, basic business controls, and opening our minds to see what others might miss...the red flags of fraud.

0101	Samuel Handwerger MW 3:30pm - 4:45pm	Seats (Total: 60) TWS 1310
0201	Samuel Handwerger MW 5:00pm - 6:15pm	Seats (Total: 60) TWS 1310

BMGT289E **Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throws at You**

Credits: 3 | Grading Method: Regular | CORE: IE | General Education: DSSP, SCIS

In this course, students learn how to analyze the world around them and then notice and define new trends, emerging problems, impending gaps, and how to turn these into exciting opportunities by providing creative solutions. Students will have a chance to not only sharpen their critical thinking skills, but also learn how to take initiative, develop a working solution, identify and resolve conflicts, and be confident and persistent, yet flexible enough to respond to changes. Student teams identify a compelling problem in present day life and then propose a creative solution taking into account possible difficulties in implementation. In addition, students will also be given problems on a much smaller scale and asked to create and present a workable solution. Students will be exposed to how a visionary's mind works and the creative solution process. In addition, students will also learn how entrepreneurial thinking can improve their day-to-day life.

0201	Oliver Schlake MW 3:30pm - 4:45pm	Seats (Total: 60) ESJ 1215	

BMGT289I **Why Good Managers Make Bad Decisions**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: DSSP, SCIS

This course provides an overview of the concepts, approaches, and vocabulary of evidence-based management (EBM) and provides an understanding of how experts in many disciplines can employ evidenced based decision making. EBM is an emerging movement in business to explicitly use the current best information in management decision making with special emphasis on relevant scientific findings and unbiased organizational facts. The course stresses how individuals practicing EBM learn how to rethink their approaches to data and knowledge in order to make more effective decisions.

Why do smart managers make flawed decisions? Why do managers keep believing they have made the right choice, even with disastrous results staring them in the face? Why Good Managers Make Bad Decisions will address how evidence-based management and other decisionmaking tools can be used to uncover hidden assumptions in the corner offices of great corporations.

0101	Jeff Miller MW 3:30pm - 4:45pm	Seats (Total: 240) VMH 1524	
FC01	Jeff Miller MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 34) TWS 0205	

BMGT290H **Introduction to Design and Quality**

Credits: 4 | Grading Method: Regular | General Education: DSSP

Restriction: Must be in the Quest program. Cross-listed with: ENED290. Credit only granted for: BMGT190, ENES190, ENED290, or BMGT290. Formerly: BMGT190 and ENES190.

The first QUEST course introduces foundational principles of design and quality, emphasizing their impact on product development and customer satisfaction. Working in multidisciplinary teams, students will explore design thinking, project management techniques, and quality tools, applying these frameworks to real-world product redesigns and innovations.

0101	Christopher Troilo TuTh 12:30pm - 1:45pm Tu 6:00pm - 7:40pm	Seats (Total: 46) VMH 1407 ESJ 2101	 Discussion

BMGT298J **Special Topics in Business and Management; Personal Financial Success During College**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Introductory special topics in business and management.

0101	Michael McMillan	Seats (Total: 150)
	Meets September 15, 2025 - October 24, 2025	
	Class time/details on ELMs	ONLINE

BMGT298K **Special Topics in Business and Management; Personal Financial Success After College**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Introductory special topics in business and management.

0101	Michael McMillan	Seats (Total: 150)
	Meets September 15, 2025 - October 24, 2025	
	Class time/details on ELMs	ONLINE

BMGT298L **Special Topics in Business and Management; Start-up Nation? Tech Entrepreneurship in Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Introductory special topics in business and management.

Cross-listed with ISRL249J and ECON298I. Credit only granted for ISRL249J, ECON298I, or BMGT298L. This interdisciplinary course will explore the unique ecosystem that has contributed to the creation and success of the Israeli tech sector. The course addresses cultural, historical, and social factors and examines key moments and individuals in the country's startup landscape.Through case studies, guest lectures, and interactive projects, students will gain practical insights into entrepreneurship. The course also addresses the ethical considerations and social impacts of entrepreneurship in Israel, providing a well-rounded understanding of the complexities of starting a business in this dynamic environment.

0101	Aner Tal	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ONLINE

BMGT299D **Student Initiated Special Topics; Introduction to Practical Financial Literacy**

Credits: 1 Grading Method: Sat-Fail

Student initiated special topics in business and management.

This course equips students with essential financial skills to navigate real-world money matters with confidence. Covering budgeting, investing, taxes, credit cards, retirement savings, and more, students will learn how to make informed financial decisions that set them up for long-term success. Through practical exercises and current real-world examples, this course provides a solid foundation in personal finance. No prior financial knowledge is required.

0101	Albert Kyle F 10:00am - 10:50am	Seats (Total: 30) VMH 1314

BMGT301 **Introduction to Information Systems**

Credits: 3 Grading Method: Regular

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Additional information: CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMSC, must complete BMGT301 for their BMGT degree.

Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool.

Restricted to Information Systems majors with 45 credits completed and other BMGT majors with 53 credits completed.

0101	Zeinab Karake MW 12:30pm - 1:45pm	Seats (Total: 65) VMH 1412
0201	Zeinab Karake MW 3:30pm - 4:45pm	Seats (Total: 65) VMH 1412
0301	Bharti Motwani TuTh 8:00am - 9:15am	Seats (Total: 65) VMH 1330
0401	Bharti Motwani TuTh 12:30pm - 1:45pm	Seats (Total: 65) VMH 1412
0501	Bharti Motwani TuTh 3:30pm - 4:45pm	Seats (Total: 65) VMH 1412
0601	Bharti Motwani TuTh 5:00pm - 6:15pm	Seats (Total: 65) VMH 1412
0701	Bharti Motwani TuTh 11:00am - 12:15pm	Seats (Total: 65) VMH 1412

BMGT301F **Introduction to Information Systems**

Credits: 3 Grading Method: Regular

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Additional information: CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMSC, must complete BMGT301 for their BMGT degree.

Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool.

Restricted to second year students in the Smith School's Smith Start program (FPFF).

0101	Zeinab Karake MW 8:00am - 9:15am	Seats (Total: 65) VMH 1412
0201	Zeinab Karake MW 11:00am - 12:15pm	Seats (Total: 65) VMH 1412

BMGT301L **Introduction to Information Systems**

Credits: 3 Grading Method: Regular

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Additional information: CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMSC, must complete BMGT301 for their BMGT degree.

Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool.

Restricted to Smith Business Leadership Fellows (SBLF); College Park Scholars - Business, Society and the Economy (CPBE); and Interdisciplinary Business Honors (HBUS) majors.

0101	Zeinab Karake MW 2:00pm - 3:15pm	Seats (Total: 50) VMH 1412

BMGT302 **Essential Programming Skills for Business Analytics**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT301; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; and must not be in the Computer Science major.

The course introduces structured and object-oriented programming and its applications in business functions and analytics. Students will apply problem-solving skills to create software solutions using programming logic and data structures. The course especially emphasizes learning by doing exercises using a modern, high-level programming language and industry standard software.

Restricted to Information Systems majors with 45 credits completed and other BMGT majors and Business Analytics minors with 53 credits completed. Not open to Computer Science.

0101	John Bono TuTh 3:30pm - 4:45pm	Seats (Total: 30) VMH 2203
0201	John Bono TuTh 9:30am - 10:45am	Seats (Total: 30) VMH 2203
0301	John Bono TuTh 12:30pm - 1:45pm	Seats (Total: 30) VMH 2203
0401	Woei-jyh Lee MW 8:00am - 9:15am	Seats (Total: 30) VMH 2203

BMGT302F **Essential Programming Skills for Business Analytics**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT301; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; and must not be in the Computer Science major.

The course introduces structured and object-oriented programming and its applications in business functions and analytics. Students will apply problem-solving skills to create software solutions using programming logic and data structures. The course especially emphasizes learning by doing exercises using a modern, high-level programming language and industry standard software.

Restricted to students in the Smith School's iTBT Fellows program.

0101	John Bono TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 2203

BMGT310 **Intermediate Accounting I**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221.

Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting.

0101	Naman Desai MW 9:30am - 10:45am *Restricted to Accounting and Finance majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1314
0201	Naman Desai MW 11:00am - 12:15pm *Restricted to Accounting and Finance majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1307
0301	Sean Cao MW 12:30pm - 1:45pm *Restricted to Accounting and Finance majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1314
0401	Sean Cao MW 11:00am - 12:15pm *Restricted to Accounting and Finance majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1314
0501	Michael McMillan MW 12:30pm - 1:45pm *Restricted to Accounting and Finance majors with 53 credit hours completed.*	Seats (Total: 40) VMH 2511
ESG1	Sue Cooper TuTh 9:30am - 10:45am *Restricted to BMGT-Shady Grove Juniors majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) BLD2 2062

BMGT311 Intermediate Accounting II

Credits: 3 Grading Method: Regular

Prerequisite: BMGT310.

Continuation of BMGT310.

Restricted to Accounting majors with 60 credit hours completed.

0101	Patrick McNamee TuTh 2:00pm - 3:15pm	Seats (Total: 43) VMH 1212
0201	Patrick McNamee TuTh 3:30pm - 4:45pm	Seats (Total: 43) VMH 1212

0301	Xin Zhao TuTh 5:00pm - 6:15pm	Seats (Total: 43) VMH 1415

BMGT313 Financial Statement Analysis

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221.

Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. Involves understanding and using the information that financial statements are communicating to users.

Restricted to Accounting and Finance majors with 53 credits completed.

0101	Brent Solomon TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1415
0201	Brent Solomon TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1415
0301	Brent Solomon TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1415

BMGT321 Managerial Accounting

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221.

A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost budgeting, responsibility accounting and relevant costs for decision-making.

0101	Sue Cooper MW 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1518
0201	Lu Zhang TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1314
0301	Ari Callow MW 5:00pm - 6:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1314

ESG1	Sue Cooper TuTh 11:00am - 12:15pm	Seats (Total: 45) BLD2 2062
	Restricted to BMGT-Shady Grove Seniors majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT323 Taxation of Individuals

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221.

Federal taxation of individuals focusing on income, exclusions, deductions, depreciation, credits and capital transactions. Property coverage includes the tax consequences of sales and dispositions of investment and business assets. Both tax planning and compliance issues are covered.

Restricted to Accounting majors with 53 credit hours completed.

0101	Jeffrey Milton MW 9:30am - 10:45am	Seats (Total: 42) VMH 1415
0201	Jeffrey Milton TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 2511
0301	Brian Jefferson TuTh 8:00am - 9:15am	Seats (Total: 40) VMH 1518

BMGT326 Accounting Systems

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221; and (BMGT201 or BMGT301).

A study of accounting systems and computer and communications technology.

Restricted to Accounting majors with 60 credit hours completed.

0101	Lu Zhang MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 1307
0201	Lu Zhang MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1307
0301	Lu Zhang MW 8:00am - 9:15am	Seats (Total: 45) VMH 1206

BMGT332 Quantitative Models for Management Decisions

Credits: 3 Grading Method: Regular

Prerequisite: BMGT231 or BMGT230; or students who have taken courses with comparable content may contact the department.

The aim of this course is to introduce management science techniques for informed decision-making that can be applied in spreadsheet models to assist in the decision-analysis process. Models include Linear Programming, Transportation and Assignment problems, network flow models, Integer and non-linear programming, Simulation and Decision Trees.

Restricted to BMGT majors and Business Analytics minors with 53 credit hours completed.

0101	Maria Bardossy TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1528
0201	Sujin Kim TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1528
0301	Raghu Raghavan TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1418
0401	Raghu Raghavan TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1418

BMGT340 Business Finance

Credits: 3 Grading Method: Regular

Prerequisite: BMGT220 and BMGT230.

Students are introduced to the subject of finance with the focus on the financial management of a business. By the end of the course, students can do the following: apply time value of money and accounting principles to value investment securities (stocks and bonds), projects, and entire companies; describe and quantify the relationship between expected return and risk; and estimate a company's cost of capital. Students also will be able to apply these concepts to make better decisions about their personal finances.

0101	Michael Padhi MW 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 75) VMH 1528
0201	Michael Padhi MW 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 75) VMH 1528

0301	Terrence O'Brien MW 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 74) VMH 1212
0401	Michael Padhi TuTh 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 75) VMH 1330
0501	Michael Padhi TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 75) VMH 1330
0601	Michael Padhi TuTh 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 75) VMH 1330
0701	Terrence O'Brien MW 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 75) VMH 1212
0801	Michael Padhi MW 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 75) VMH 1212
ESG1	James Seward TuTh 11:00am - 12:15pm *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD2 3032
ESG2	James Seward TuTh 12:30pm - 1:45pm *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD2 3032

BMGT340N Business Finance

Credits: 3 Grading Method: Regular

Prerequisite: BMGT220 and BMGT230.

Students are introduced to the subject of finance with the focus on the financial management of a business. By the end of the course, students can do the following: apply time value of money and accounting principles to value investment securities (stocks and bonds), projects, and entire companies; describe and quantify the relationship between expected return and risk; and estimate a company's cost of capital. Students also will be able to apply these concepts to make better decisions about their personal finances.

Restricted to agricultural and resource economics majors (0111C) with 53 credit hours completed.

0301	Terrence O'Brien MW 2:00pm - 3:15pm	Seats (Total: 1) VMH 1212

BMGT341 **Financial Markets**

Credits: 3 Grading Method: Regular

Prerequisite: Must have completed or be concurrently enrolled in BMGT340.

Shows the interconnectedness of the markets. The role of the Central bank and monetary policy is included in this context. Students develop an understanding of: (i) the determination of interest rates; (ii) financial instruments, markets and institutions; (iii) the impact of monetary policy on institutions; and (iv) how financial innovations create markets.

Restricted to Finance majors with 60 credit hours completed.

0101	Julie Pavlovsky TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1418
0201	Julie Pavlovsky TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1418

BMGT342F **Wall Street Finance**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340.

Using concepts and tools of finance, students will examine a wide range of business problems and explore possible solutions. The course is designed to improve a student's problem solving capabilities, business writing and communication skills, teamwork, and planning skills. Students will also gain experience in analyzing issues frequently faced by financial decision-makers.

Restricted to students in the Smith School's Wall Street Fellows Program.

0101	Julie Pavlovsky TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1314

BMGT343 **Investments**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340. Credit only granted for: BMGT343 or ECON435. Additional information: This course cannot be used to fulfill any requirements for majors in Economics.

An introduction to financial investments. Topics include: securities and securities markets; investment risks, returns and constraints; portfolio policies; and institutional investment policies.

Restricted to Finance majors with 60 credit hours completed.

0101	Yueyang Han MW 12:30pm - 1:45pm	Seats (Total: 50) VMH 1303
0201	Kenneth Fuller TuTh 11:00am - 12:15pm	Seats (Total: 48) VMH 1307
0301	Kenneth Fuller TuTh 12:30pm - 1:45pm	Seats (Total: 48) VMH 1307
0401	Yueyang Han MW 11:00am - 12:15pm	Seats (Total: 50) VMH 1303
0501	George Gao TuTh 8:00am - 9:15am	Seats (Total: 50) VMH 1412
0601	George Gao TuTh 9:30am - 10:45am	Seats (Total: 50) VMH 1412

BMGT347 Quantitative Financial Analysis

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340; must have completed or be concurrently enrolled in BMGT343. Credit only granted for: BMGT347 or BMGT448G. Formerly: BMGT448G.

Introduces students to data science for financial applications using an industry-standard programming language. Students will use tools ranging from regression models to machine learning to investigate questions across a variety of areas within finance including asset management, corporate finance and FinTech. The course will illustrate how big data and data analytics can improve financial decision-making by focusing on problems facing finance professionals.

Restricted to Finance majors with 72 credit hours completed.

0101	George Gao TuTh 3:30pm - 4:45pm	Seats (Total: 48) VMH 1206

BMGT350 Marketing Principles and Organization

Credits: 3 Grading Method: Regular

Recommended: ECON200.

An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees.

0101	Mary Beth Furst M 9:30am - 10:45am Class time/details on ELMs	Seats (Total: 65) VMH 1505 ONLINE
	Restricted to BMGT majors with 53 credit hours completed.	
0201	Rebecca Ratner M 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 65) VMH 1505 ONLINE
	Restricted to BMGT majors with 53 credit hours completed.	
0301	Rebecca Ratner M 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 65) VMH 1505 ONLINE
	Restricted to BMGT majors with 53 credit hours completed.	
0401	Roxanne Lefkoff W 9:30am - 10:45am Class time/details on ELMs	Seats (Total: 64) VMH 1505 ONLINE
	Restricted to BMGT majors with 53 credit hours completed.	
0501	Roxanne Lefkoff W 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 65) VMH 1505 ONLINE
	Restricted to BMGT majors with 53 credit hours completed.	
0601	Roxanne Lefkoff W 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 65) VMH 1505 ONLINE
	Restricted to BMGT majors with 53 credit hours completed.	
0701	Idil Yaveroglu W 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 65) VMH 1407 ONLINE
	Restricted to BMGT majors with 53 credit hours completed.	

0801	Rebecca Ratner M 2:00pm - 3:15pm Class time/details on ELMs *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 65) VMH 1407 ONLINE
0901	Richard Toohey M 3:30pm - 4:45pm Class time/details on ELMs *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1303 ONLINE
1001	Jeffrey Lawrence W 3:30pm - 4:45pm Class time/details on ELMs *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1303 ONLINE
ESG1	Henry Boyd MW 9:30am - 10:45am *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD4 1201
ESG2	Henry Boyd MW 11:00am - 12:15pm *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD4 1201

BMGT350N Marketing Principles and Organization

Credits: 3 Grading Method: Regular

Recommended: ECON200.

An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees.

Restricted to agricultural and resource economics (0111C) and horticulture (0101B) majors with 53 credit hours completed.

0401	Roxanne Lefkoff W 9:30am - 10:45am Class time/details on ELMs	Seats (Total: 1) VMH 1505 ONLINE

BMGT351 Marketing Research Methods

Credits: 3 Grading Method: Regular

Prerequisite: BMGT230; and must have completed or be concurrently enrolled in BMGT350. Credit only granted for: BMGT351 or BMGT452. Formerly: BMGT452.

Focuses on aiding marketing decision-making through exploratory, descriptive and causal research. Develops student skills in designing market research studies, including selection of data collection method, development of data collection instrument, sample design, collection and statistical analysis of data and reporting the results, including data visualization.

Restricted to Marketing majors with 53 credit hours completed

0101	Bobby Zhou TuTh 2:00pm - 3:15pm *Restricted to Marketing majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1311
0201	Jason Choi TuTh 3:30pm - 4:45pm *Restricted to Marketing majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1311
0301	Jason Choi TuTh 9:30am - 10:45am *Restricted to Marketing majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1314
ESG1	Euna Lee TuTh 11:00am - 12:15pm *Restricted to BMGT-Shady Grove Seniors majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 40) BLD2 2052

BMGT354 Consumer Analysis

Credits: 3 Grading Method: Regular

Prerequisite: BMGT350. Credit only granted for: BMGT354 or BMGT451. Formerly: BMGT451.

Identifying buyer behavior concepts relevant to a specific marketing problem so that appropriate marketing decisions can be made. Conceptual frameworks are drawn from psychology, sociology, economics, and other social sciences to aid in understanding the behavior of ultimate and industrial buyers.

Restricted to Marketing majors with 68 credit hours completed.

0101	Ali Faraji-Rad MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1415

0201	Ali Faraji-Rad MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 1415
0301	Ali Faraji-Rad MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1311

BMGT360 Strategic Management of Human Capital

Credits: 3 Grading Method: Regular

Provides students with the basic knowledge needed to help organizations attract, select, develop, engage, evaluate, and retain talent. Topics covered may include strategic HRM, the role of globalization, legal issues in HRM, work analysis, HR planning, recruitment, personnel selection, performance management and appraisal, training and development, career development, compensation systems, motivating and rewarding performance, labor relations, and employee health and safety.

Restricted to all students with 53 credit hours completed.

0101	Gregory Marr MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 2202
0201	Gregory Marr MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 2202

BMGT362 Negotiations

Credits: 3 Grading Method: Regular

Restriction: Must not have completed COMM425. Credit only granted for: BMGT362 or COMM425.

By using a variety of assessment tools, feedback sources, skill-building exercises, and exercise debriefings, this experiential course is designed to enhance students' negotiating self-confidence and improve students' analytical skills, interpersonal skills, creativity and persuasive abilities.

0101	Gosia Langa Basit TuTh 2:00pm - 3:15pm *Restricted to Management majors (0503G) and I&E minors (#BU03) with 53 credits.*	Seats (Total: 45) VMH 1505
0201	Gosia Langa Basit TuTh 12:30pm - 1:45pm *Restricted to Management majors (0503G) and I&E minors (#BU03) with 53 credits.*	Seats (Total: 45) VMH 1505

ESG1	Robert Sheehan TuTh 11:00am - 12:15pm	Seats (Total: 45) BLD4 5308
	Restricted to Senior BMGT-Shady Grove students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT363 Leadership and Teamwork in Organizations

Credits: 3 Grading Method: Regular

Provides a comprehensive understanding of fundamental leadership concepts, theories, and skills in organizations and applies to assessing and developing effective leadership practices in organizations.

Course restricted to Management majors with 53 credits.

0101	Sheetal Singh TuTh 12:30pm - 1:45pm	Seats (Total: 45) VMH 1308
0201	Sheetal Singh TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1308

BMGT364 Managing People and Organizations

Credits: 3 Grading Method: Regular

An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.

0101	Jinyoung Sohn MW 12:30pm - 1:45pm	Seats (Total: 55) VMH 1528
	Restricted to BMGT majors with 53 credit hours completed.	
0201	Gregory Marr MW 9:30am - 10:45am	Seats (Total: 60) VMH 1407
	Restricted to BMGT majors with 53 credit hours completed.	
0301	Toby Egan MW 5:00pm - 6:15pm	Seats (Total: 60) VMH 2202
	Restricted to BMGT majors with 53 credit hours completed.	

0401	Gosia Langa Basit TuTh 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1308
0501	Gosia Langa Basit TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1308
0601	Robert Sheehan TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1407
0701	Gregory Marr MW 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1407
0801	Toby Egan W 7:00pm - 9:40pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1330
0901	Jesse Kellner W 7:00pm - 9:40pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1520
ESG1	Robert Sheehan MW 11:00am - 12:15pm *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD4 4335
ESG2	Robert Sheehan MW 12:30pm - 1:45pm *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD4 4335

BMGT364N Managing People and Organizations

Credits: 3 Grading Method: Regular

An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.

Restricted to agricultural and resource economics (0111C) and dietetics (1307D) majors with 53 credit hours completed.

0101	Jinyoung Sohn	Seats (Total: 5)
	MW 12:30pm - 1:45pm	VMH 1528

BMGT365 Entrepreneurial Finance and Private Equity

Credits: 3 Grading Method: Regular

Prerequisite: BMGT461 or BMGT361. Restriction: Junior standing or higher. Credit only granted for: BMGT365, ENES466, SMLP471 or HLMN471.

Studies venture capital and private equity using a combination of cases, lectures and guest speakers. Addresses how venture capitalists provide capital to start-up firms in growing industries and how private equity markets provide capital to help established medium-sized firms (often family businesses) grow and restructure. Focuses on how financial, legal, and economic issues are dealt with in the financial contracts between venture capitalists and their limited partners and between capitalists (or other private equity investors) and the firms in which they invest.

Restricted to BMGT majors with 72 credit hours completed and Innovation and Entrepreneurship (#BU03) minors.

0101	Matthew Brach	Seats (Total: 40)
	W 7:00pm - 9:40pm	VMH 1307

BMGT366 Growth Strategies for Emerging Companies

Credits: 3 Grading Method: Regular

Prerequisite: BMGT461 or BMGT361. Restriction: Junior standing or higher.

Offers practical management tools that are needed to build a new venture into a significant enterprise. The competencies, strategies and structures of successful high performance businesses are studied through cases, videos and guest lecturers. Topics include leadership, internal growth strategies, merger, acquisition and franchising.

Restricted to Innovation and Entrepreneurship (#BU03) minors and Management (0503G) majors.

0101	Nima Farshchi	Seats (Total: 45)
	TuTh 8:00am - 9:15am	VMH 1308

ESG1	Steven Freishtat TuTh 12:30pm - 1:45pm	Seats (Total: 45) BLD2 2062
	Restricted to Senior BMGT-Shady Grove students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT367 Career Search Strategies in Business

Credits: 1 Grading Method: Regular

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

An overview and opportunity to practice job search skills critical to obtaining internships and full-time positions. Course will cover strategies for exploring career options, preparing job search materials, development of job search skills such as interviewing and networking. Students are encouraged to take this course in the sophomore or junior year.

Restricted to BMGT students with 45 credit hours completed.

0101	Erin Saddler, Tyrone Clifton M 5:00pm - 5:50pm	Seats (Total: 60) VMH 1212
	Restricted to BMGT students with 45 credit hours completed.	
0201	Erin Saddler, William Swaim Tu 5:00pm - 5:50pm	Seats (Total: 60) VMH 1212
	Restricted to BMGT students with 45 credit hours completed.	
0301	Michael Loveless, Erin Saddler W 5:00pm - 5:50pm	Seats (Total: 60) VMH 1212
	Restricted to BMGT students with 45 credit hours completed.	
0401	Erin Saddler, Susan Powell M 6:00pm - 6:50pm	Seats (Total: 60) VMH 1212
	Restricted to BMGT students with 45 credit hours completed.	
0501	Erin Saddler, Faben Henok W 6:00pm - 6:50pm	Seats (Total: 60) VMH 1212
	Restricted to BMGT students with 45 credit hours completed.	
0601	Adam VanWagner, Erin Saddler Tu 6:00pm - 6:50pm	Seats (Total: 60) VMH 1212
	Restricted to BMGT students with 45 credit hours completed.	

0701	Erin Saddler, Joseph Houghton Th 5:00pm - 5:50pm *Restricted to BMGT students with 45 credit hours completed.*	Seats (Total: 60) VMH 1212
ESG1	Erin Saddler, Sadie Edmonds W 3:00pm - 3:50pm *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) BLD2 2032
ESG2	Erin Saddler, Dina Broydo W 3:00pm - 3:50pm *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) BLD2 3032

BMGT370 Introduction to Transportation

Credits: 3 Grading Method: Regular

An overview of the transportation field with an emphasis on freight movements from the perspective of both providers of capacity and users of freight services. Examines the characteristics of the freight modes and the role of each mode as a major component of logistics and supply chain management. Explores the economics, energy use, and finances of each mode as well as the impact of government policies on each mode's future. Discussion of infrastructure and capacity needs of the transportation system and its ability to support the economy.

Restricted to BMGT majors with 53 credit hours completed.

0101	Adams Steven TuTh 8:00am - 9:15am	Seats (Total: 35) VMH 2511
0201	Adams Steven TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 2511

BMGT372 Introduction to Logistics and Supply Chain Management

Credits: 3 Grading Method: Regular

Credit only granted for: BMGT375 or BMGT372.

Supply chain management involves the coordination of suppliers, manufacturers, distributors, and retailers to ensure that products and services are available to the final consumer in a timely and cost-effective fashion. Logistics management is the subset of supply chain management dealing with the physical flows of product and includes such activities as transportation management, warehousing, materials handling, inventory management, and order fulfillment. Attention is paid to the logistics cost trade-offs within the firm and between members of the supply chain.

Restricted to BMGT majors.

0101	Leland Gardner TuTh 11:00am - 12:15pm	Seats (Total: 30) VMH 1212
0201	Leland Gardner TuTh 12:30pm - 1:45pm	Seats (Total: 30) VMH 2511
0301	Leland Gardner TuTh 11:00am - 12:15pm	Seats (Total: 30) VMH 1212
0401	Leland Gardner TuTh 2:00pm - 3:15pm	Seats (Total: 30) VMH 2511

BMGT380 Business Law I

Credits: 3 Grading Method: Regular

Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.

0101	T Anenson MW 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 60) VMH 1505 ONLINE
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT380N.	
0201	T Anenson MW 3:30pm - 4:45pm Class time/details on ELMs	Seats (Total: 60) VMH 1505 ONLINE
	Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT380N.	

0301	T Anenson MW 5:00pm - 6:15pm Class time/details on ELMs *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT380N.*	Seats (Total: 60) VMH 1505 ONLINE
0401	Justin Reyna TuTh 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT380N.*	Seats (Total: 59) VMH 1505
0501	Justin Reyna TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT380N.*	Seats (Total: 60) VMH 1505
0601	Justin Reyna TuTh 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT380N.*	Seats (Total: 60) VMH 1330
0701	Justin Reyna W 7:00pm - 9:40pm *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT380N.*	Seats (Total: 60) VMH 1303
0801	Kevin McGarry MW 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT380N.*	Seats (Total: 60) VMH 1407
0901	Kevin McGarry MW 5:00pm - 6:15pm *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT380N.*	Seats (Total: 60) VMH 1407

ESG1	Kevin McGarry MW 11:00am - 12:15pm	Seats (Total: 45) BLD2 2032
	Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
ESG2	Kevin McGarry MW 9:30am - 10:45am	Seats (Total: 45) BLD2 2032
	Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT380N Business Law I

Credits: 3 Grading Method: Regular

Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.

Restricted to agricultural and resource economics majors (0111C) with 53 credit hours completed.

0401	Justin Reyna TuTh 9:30am - 10:45am	Seats (Total: 1) VMH 1505

BMGT382 Marketing and Innovation for Entrepreneurs

Credits: 3 Grading Method: Regular

Restriction: Must not have completed BMGT352. Credit only granted for: BMGT352, BMGT382 or BMGT456. Additional information: Course will not satisfy a Marketing major requirement.

Marketing and Innovation are two critically important activities that determine success in any business venture. This course will focus on understanding the fundamentals of marketing and innovation from the perspective of an entrepreneur. At a broad level, we will apply proven marketing frameworks (STP and 4Ps) to effectively deliver innovation in an entrepreneurial context.

0101	Idil Yaveroglu TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1407
	Restricted to Innovation and Entrepreneurship Minors and non-BMGT majors.	
ESG1	Mary Beth Furst TuTh 9:30am - 10:45am	Seats (Total: 45) BLD4 3321
	Restricted to BMGT-Shady Grove Juniors majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT383 The Business of Sports

(Perm req) Credits: 3 Grading Method: Regular

An overview of the history of sports management as a profession, while examining the many essential business principles necessary for effective leadership in the industry.

0101	Tori Shay, Sue Sherburne Th 5:00pm - 7:40pm	Seats (Total: 50) VMH 1308

BMGT385 Operations Analytics

Credits: 3 Grading Method: Regular

Credit only granted for: BMGT385 or ENME426.

Designed to equip the student with analytical tools to make capacity, inventory, quality, and other operational decisions in both manufacturing and service business enterprises. Examines the strategic role the operations function can play and offers techniques that the firm can use for execution using a systems approach. Analyze operational systems to align supply with demand to maximize value for the organization. Covers critical operations analytics concepts and models, including process flowcharting, capacity and bottleneck analysis, waiting line management, inventory management, Six Sigma, and Lean.

Restricted to BMGT majors and Business Analytics minors with 53 credit hours completed.

0101	Zhi-Long Chen TuTh 2:00pm - 3:15pm	Seats (Total: 50) VMH 1303
0201	Zhi-Long Chen TuTh 3:30pm - 4:45pm	Seats (Total: 50) VMH 1303

BMGT390H Designing Innovative Systems

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES190, BMGT190, ENED290 or BMGT290. Restriction: Must be in the QUEST program. Cross-listed with: ENED390. Credit only granted for: BMGT390, ENES390 or ENED390. Formerly: ENES390.

The QUEST systems thinking course challenges students to analyze how processes interact in larger systems. Students will learn how to use process improvement tools and a systems thinking approach to solve problems and design innovative solutions. By drawing upon their multidisciplinary backgrounds, students will be able to understand and reframe problems from multiple perspectives to uncover new solutions.

Restricted to QUEST program students. Cross-listed with ENES390H.

0101	Tony Barber TuTh 5:00pm - 6:15pm	Seats (Total: 50) VMH 1335

BMGT392 **Introduction to International Business Management**

Credits: 3 Grading Method: Regular

Prerequisite: ECON200.

A study of the domestic and foreign environmental factors affecting the international operations of U.S. business firms. The course also covers the administrative aspects of international marketing, finance and management.

Restricted to BMGT majors with 53 credit hours completed.

0101	Wilbur Chung MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1314
0201	Wilbur Chung MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1314

BMGT394H **Applied Quantitative Analysis**

Credits: 3 Grading Method: Regular

Restriction: Must be in the QUEST Program. Cross-listed with: ENED394. Credit only granted for: BMGT394, ENED394, ENES489A or BMGT438A. Formerly: BMGT438A and ENES489A.

The QUEST data analysis course takes a human-centered approach to data analysis and focuses on teaching students how to frame the core problem, choose the right data, and uncover deep insights from data to build an understanding of people and expose opportunities for innovation. Students will use visualization and statistical techniques to explore data, generate insights, and share the human stories behind the data to move people to action.

0101	Manmohan Aseri MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 1308

BMGT397 **Mentoring Multidisciplinary Teams**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT290 or ENED290. Restriction: Must be in the QUEST Program (TQMP). Cross-listed with: ENED397. Credit only granted for: BMGT397, ENES397 or ENED397.

QUEST mentors serve a valuable purpose in the program as they coach new cohorts of students progressing through BMGT/ENED290H. Mentors will learn and practice essential team-building and facilitation skills, including effective communication, conflict management, strengths-based leadership, and lesson planning. They will use these leadership skills to inspire their 290H teams and improve team performance.

Restricted to QUEST program students. Cross-listed with ENES397.

0101	Emily Marks	Seats (Total: 9)
	Tu 5:00pm - 7:40pm	ESJ 2101

BMGT398 **Individual Study in Business and Management**

(Perm req)

Credits: 1-3 Grading Method: Regular

Contact department for information to register for this course.

BMGT398A **Individual Study in Business and Management; Internship**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Restricted to Smith School of Business students. Interested students should contact Erin Fields Saddler (esaddler@rhsmith.umd.edu) for details and permission.

0101	Erin Saddler	Seats (Total: 35)
	Contact instructor or department for details.	
ESG1	Erin Saddler	Seats (Total: 10)
	Contact instructor or department for details.	
	Restricted to students at Shady Grove.	

BMGT398C **Individual Study in Business and Management; Undergraduate Teaching Scholars Training**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail

Restricted to Accounting Teaching Scholars (FPTS).

0101	Michael McMillan	Seats (Total: 19)
	Contact instructor or department for details.	

BMGT398D **Individual Study in Business and Management; Smith Start Mentorship**

(Perm req)

Credits: 3 Grading Method: Regular

0101	Rachel DiDonna	Seats (Total: 60)
	MW 5:00pm - 6:15pm	VMH 1303

BMGT398E **Individual Study in Business and Management; Leadership Development and Mentorship in Business**

(Perm req)

Credits: 3 Grading Method: Regular

Restricted to Smith Business Leadership Fellows (SBLF)

0101	Amy Bielicki	Seats (Total: 12)
	TuTh 2:00pm - 3:15pm	VMH 1407

BMGT398I **Individual Study in Business and Management; Information Technology and Business Tranformation (iTBT) Fellows**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restricted to Information Technology and Business Transformation Fellows.

0101	Kunpeng Zhang Th 5:00pm - 7:00pm	Seats (Total: 37) VMH 1518

BMGT398O **Individual Study in Business and Management; Experiential Learning in Sports Management**

(Perm req)

Credits: 1-3 Grading Method: Regular

For students in the Sports Management Program.

0101	Tori Shay Contact instructor or department for details.	Seats (Total: 20)

BMGT398W **Individual Study in Business and Management; Junior Wall Street Fellows**

Credits: 1 Grading Method: Regular

Course restricted to Wall Street Fellows (FPWS).

0101	Julie Pavlovsky Tu 3:30pm - 4:45pm	Seats (Total: 26) VMH 3330H

BMGT399A **Special Topics in Business and Management; Financial Peer Mentoring**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in business and management.

In this course, students will learn the process of providing financial wellness peer mentoring. We start with fundamentals financial literacy for the purpose of being able to help college students build their own path to financial wellness. As the class progresses, students will learnhow to engage with others to provide customized pointers to financial resources.

0101	Joseph Bailey MW 3:30pm - 4:45pm	Seats (Total: 30) VMH 1518

BMGT401 **Big Data and AI using Cloud Computing**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT302. Credit only granted for: BMGT401 or BMGT408E. Formerly: BMGT408E.

Big data represents unprecedented opportunities for companies to generate insights and create wealth. Artificial intelligence (AI) has penetrated our daily routines, showing promise in many business areas such as finance, transportation, and healthcare. With cloud computing advances, big data and AI tools are more accessible and cost effective to average businesses; however, key challenges exist in initiating, implementing, and managing AI projects that analyze large, unstructured data. This course provides students with essential knowledge of key big data and AI technologies through hands-on, experiential learning using cloud computing platforms. Students will be able to help guide the successful design and implementation of complex data strategies.

Restricted to Information Systems majors with 60 credit hours completed and other BMGT majors and Business Analytics minors with 72 credit hours completed. This is a Collaborative Online International Learning (COIL) course, developed in partnership with Smith's Center for Global Business to provide virtual opportunities for global experiences. COILs can range from embedded global experiential learning to immersive, project-based collaboration.

0101	Woei-jyh Lee	Seats (Total: 35)	
	TuTh 12:30pm - 1:45pm	VMH 3505	

BMGT402 Database Systems

Credits: 3 Grading Method: Regular

Recommended: BMGT302. Credit only granted for: INST327 or BMGT402.

The fundamentals of database management systems (DBMS), data models, query processing, and data warehouses, and their application in the development of business information systems will be covered. An important goal of this course is to understand the value of information resources and information management challenges within an organization.

Restricted to Information Systems majors with 60 credits completed and Business Analytics minors with 72 credit hours completed.

0101	Woei-jyh Lee	Seats (Total: 38)	
	TuTh 2:00pm - 3:15pm	VMH 2203	
	Th 6:00pm - 6:50pm	VMH 2203	Lab
0201	Xiru Yang	Seats (Total: 38)	
	MW 3:30pm - 4:45pm	VMH 2203	
	Tu 6:00pm - 6:50pm	VMH 2203	Lab
0301	Ritesh Das	Seats (Total: 38)	
	MW 9:30am - 10:45am	VMH 2203	
	Tu 5:00pm - 5:50pm	VMH 2203	Lab

0401	John Bono	Seats (Total: 38)	
	TuTh 8:00am - 9:15am	VMH 2203	
	Th 5:00pm - 5:50pm	VMH 2203	Lab

BMGT403 Systems Analysis and Design

Credits: 3 Grading Method: Regular

Prerequisite: BMGT301; or students who have taken courses with comparable content may contact the department. Recommended: BMGT302.

Techniques and tools applicable to the analysis and design of computer-based information systems. System life cycle, requirements analysis, logical design of databases and performance evaluation. Emphasis on case studies. Project required that involves the design, analysis and implementation of an information system.

Restricted to Information System students with 72 credits completed.

0101	Hassan Ibrahim	Seats (Total: 30)
	MW 2:00pm - 3:15pm	VMH 2203
0201	Hassan Ibrahim	Seats (Total: 30)
	MW 12:30pm - 1:45pm	VMH 2203
0301	Joseph Drasin	Seats (Total: 30)
	M 7:00pm - 9:40pm	VMH 1518
0401	Hassan Ibrahim	Seats (Total: 30)
	W 7:00pm - 9:40pm	VMH 2203
0501	Hassan Ibrahim	Seats (Total: 30)
	MW 11:00am - 12:15pm	VMH 2203

BMGT406 Developing Applications for the Web and Social Media

Credits: 3 Grading Method: Regular

Prerequisite: BMGT402 and BMGT302. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Credit only granted for: INST377 or BMGT406.

The design and development of Web applications and the underlying platforms and standards for Web application development will be covered. It will examine the phenomenon of social media, social networking and crowdsourcing and understand their use within organizations.

Restricted to Information Systems majors with 60 credits completed and other BMGT majors with 72 credits completed.

0101	Louiqa Raschid MW 3:30pm - 4:45pm W 5:00pm - 5:50pm	Seats (Total: 24) VMH 1311 VMH 2203	 Lab

BMGT407 **Information Systems Projects**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: BMGT302, BMGT402 and BMGT403. Restriction: Senior standing.

Senior capstone course for the information systems major. Collected knowledge from the IS courses and application to significant problems of size and complexity. State-of-the-art research ideas and current business and industrial practices in information systems.

Permission to register for the course is granted to Information Systems majors with 86 credit hours completed who will have completed BMGT407's prerequisites by the start of the Fall semester.

0101	Hassan Ibrahim Th 7:00pm - 9:40pm Class time/details on ELMs	Seats (Total: 36) VMH 2203 ONLINE
0201	Hassan Ibrahim Tu 7:00pm - 9:40pm Class time/details on ELMs	Seats (Total: 36) VMH 2203 ONLINE

BMGT408C **Emerging Topics in Information Systems; Quality Web Development in Business**

Credits: 3 Grading Method: Regular

Selected advanced topics covering emerging developments in the field of decision and information technologies.

Restricted to students in the QUEST program.

0101	John Bono Th 5:00pm - 7:40pm	Seats (Total: 25) VMH 1407

BMGT411 **Ethics and Professionalism in Accounting**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT311. Restriction: Must be in Accounting program.

Analysis and discussion of issues relating to ethics and professionalism in accounting.

Restricted to Accounting majors with 86 credit hours completed.

0101	Brian Jefferson TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1518

0201	Brian Jefferson TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1518

BMGT417 Taxation of Corporations, Partnerships and Estates

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221.

Federal taxation of corporations using the life-cycle approach-formation, operation, assessment, merger, reorganization and liquidation. Overviews of pass-through entities - partnerships and s-corporations -using the life-cycle approach, and the tax consequences of wealth transfers by individuals - gift and estate taxation. Both tax planning and compliance issues are addressed.

Restricted to Accounting majors with 84 credit hours completed.

0101	Jeffrey Milton MW 11:00am - 12:15pm	Seats (Total: 45) VMH 1415

BMGT422 Auditing Theory and Practice

Credits: 3 Grading Method: Regular

Prerequisite: BMGT310; and must have completed or be concurrently enrolled in BMGT311.

A study of the independent accountant's attest function, generally accepted auditing standards, compliance and substantive tests and report forms and opinions.

0101	James McKinney MW 12:30pm - 1:45pm *Restricted to Accounting majors.*	Seats (Total: 40) VMH 1518
0201	James McKinney MW 2:00pm - 3:15pm *Restricted to Accounting majors.*	Seats (Total: 40) VMH 1518
ESG1	James McKinney TuTh 12:30pm - 1:45pm *Restricted to BMGT-Shady Grove Seniors majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) BLD2 2052

BMGT428J Special Topics in Accounting; Accounting Advisory for Closely Held Businesses

Credits: 3 Grading Method: Regular

Selected advanced topics in Accounting.

Prerequisites: BMGT220 and BMGT340. Restricted to Accounting and Finance majors.

0101	Brent Solomon TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1415

BMGT430 Data Modeling in Business

Credits: 3 Grading Method: Regular

Prerequisite: BMGT231 or BMGT230; or permission of BMGT-Robert H. Smith School of Business.

Explores the role of statistical models in business analytics to drive managerial decision-making and improve performance through the use of relevant data-motivated examples. Topics include regression models (both simple and multiple regression, as well as logistic regression for binary data), model validation, variable transformation, variable selection, discriminant analysis, and forecasting. These topics are modeled using state-of-the-art data analytics software.

Restricted to BMGT majors and Business Analytics minors.

0101	Radu Lazar MW 8:00am - 9:15am	Seats (Total: 40) VMH 1303
0201	Radu Lazar MW 9:30am - 10:45am	Seats (Total: 40) VMH 1303
0301	Radu Lazar MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1311
0401	Radu Lazar MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1335

BMGT431 Data Analytics

Credits: 3 Grading Method: Regular

Prerequisite: BMGT430.

An introduction to the tools and techniques that are central to the analysis of abundant data that is being collected in many forms including web traffic, social network data, and reviews and comments on websites.

Restricted to Business Analytics minors or OM majors.

0101	Radu Lazar TuTh 3:30pm - 4:45pm	Seats (Total: 30) VMH 1528
0201	Radu Lazar TuTh 5:00pm - 6:15pm	Seats (Total: 30) VMH 1528

BMGT434 **Analytics Consulting: Cases and Projects**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT332.

This course assumes that students have already been introduced to the concepts and techniques of operations research/business analytics (OR/BA). Published papers, short cases, and projects in OR/BA will be analyzed and discussed in a thoughtful way, taking into account the soft (people-related) issues and the hard (mathematical/optimization) issues.

Restricted to BMGT majors, QUEST students, and Business Analytics minors with 72 credit hours completed.

0101	Bruce Golden	Seats (Total: 40)
	MW 2:00pm - 3:15pm	VMH 1303

BMGT435 **Business Process Simulation**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT332.

Covers the methods for computer simulation modeling and analysis of complex systems. Students are assumed to have been introduced to the basic techniques and applications in the field of operations management and business analytics. Course emphasis is on modeling of real-world systems (for example, inventory or queueing systems), implementing simulations in special purpose software, and analyzing simulation results.

Restricted to BMGT majors or Business Analytics minors with 60 credits completed.

0101	Sujin Kim	Seats (Total: 40)
	TuTh 9:30am - 10:45am	VMH 1307

BMGT440 **Advanced Financial Management**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340.

Lectures and analysis of problems and cases relating to financial decisions of the firm including capital budgeting, capital structure and cost of capital, valuation (discounted cash flow, comparable multiples, comparable transactions), mergers and acquisitions, options, dividend policy, and initial public offerings.

Restricted to BMGT majors with 68 credit hours completed.

0101	James Seward	Seats (Total: 55)
	MW 9:30am - 10:45am	VMH 1335

0201	David Kass TuTh 2:00pm - 3:15pm	Seats (Total: 55) VMH 1335
0301	David Kass TuTh 3:30pm - 4:45pm	Seats (Total: 55) VMH 1335
0401	James Seward MW 11:00am - 12:15pm	Seats (Total: 55) VMH 1335
0501	David Kass TuTh 11:00am - 12:15pm	Seats (Total: 55) VMH 1335

BMGT441 **Fixed Income**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340.

The course provides an understanding of fixed income securities and methods used to value, analyze, and hedge their risk by participants in the financial services industry (e.g. commercial and investment banks, insurance companies, pension funds, investment companies, hedge funds). Topics covered include zero coupon bonds, coupon bonds, spot and forward rates, bond price sensitivity to interest rate changes (duration and convexity), interest rate derivatives such as forwards, swaps, futures and options, term structure of interest rates, credit risk, and credit derivatives. A thorough review of basic time value of money, continuous time value of money, and derivative securities formulas will be necessary and included while covering the related fixed income instruments.

Restricted to Finance majors with 72 credit hours completed.

0101	Terrence O'Brien MW 9:30am - 10:45am	Seats (Total: 48) VMH 1418
0201	Terrence O'Brien MW 11:00am - 12:15pm	Seats (Total: 48) VMH 1418

BMGT443 **Applied Equity Analysis and Portfolio Management**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT343.

Study and application of the concepts, methods, models, and empirical findings to the analysis, valuation and selection of securities, especially common stock.

Restricted to BMGT majors with 84 credit hours completed.

0101	Michael Cichello MW 11:00am - 12:15pm	Seats (Total: 45) VMH 3505
0201	Michael Cichello MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 3505
0301	Michael Cichello MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 3505
0401	Michael Cichello MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 3505

BMGT444 **Futures and Options Contracts**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT343. Credit only granted for: BMGT444 or MATH424.

The institutional features and economic rationale underlying markets in futures and options. Hedging, speculation, structure of futures prices, interest rate futures, efficiency in futures markets and stock and commodity options.

Restricted to Finance majors with 84 credit hours completed.

0101	Terrence O'Brien MW 5:00pm - 6:15pm	Seats (Total: 48) VMH 1307
0201	Terrence O'Brien MW 12:30pm - 1:45pm	Seats (Total: 48) VMH 1307

BMGT445 **Banking and Financial Institutions**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340. Recommended: ECON330 or BMGT341.

Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered.

Restricted to Finance majors with 84 credit hours completed.

0101	Jordan Richmond MW 8:00am - 9:15am	Seats (Total: 48) VMH 1212
0201	Jordan Richmond MW 9:30am - 10:45am	Seats (Total: 48) VMH 1212

0301	Jordan Richmond MW 11:00am - 12:15pm	Seats (Total: 48) VMH 1212

BMGT446 **International Finance**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340.

Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm.

Restricted to Finance and International Business majors with 72 credit hours completed.

0101	Tianchen Zhao TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1335
0201	Junsoo Kim MW 5:00pm - 6:15pm	Seats (Total: 45) VMH 1415
0301	Tianchen Zhao TuTh 12:30pm - 1:45pm	Seats (Total: 45) VMH 1335

BMGT448X **Special Topics in Finance; Private Equity Strategy & Execution**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced topics in finance.

Prerequisite: BMGT340. Restricted to Finance majors with 60 or more credits completed.

0101	Jeron Davis M 7:00pm - 9:40pm	Seats (Total: 50) VMH 1330

BMGT448Y **Special Topics in Finance; Behavioral Finance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced topics in finance.

Restricted to Finance majors with 72 credit hours completed. Prerequisite: BMGT343. Discusses the interwoven effect of human psychology and how it can create unexpected results in financial markets. Focuses not only on how human behavior and decisioning that affects broader markets and transactions, but also delves into the relevancy on a personal financial level. Explores a myriad of real life cases and the consequences of irrational markets and decisioning.

0101	Jennifer Hsin	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	VMH 1314

BMGT449F **Investment Fund Management: Lemma Senbet Fund**

Credits: 3 Grading Method: Regular

The Lemma Senbet Fund is a year-long, advanced finance course available to undergraduate finance majors in their senior year. Ten to twelve students will be selected in the spring of their junior year to participate on the fund, two as portfolio managers and eight to ten as equity analysts. The course provides students with the opportunity to apply what they have learned in finance classes to actual investment decisions, through researching real companies and managing a portfolio of real money.

Restricted to Lemma Senbet Fund Fellows (FPSF).

0101	Sarah Kroncke	Seats (Total: 12)
	TuTh 12:00pm - 1:50pm	VMH 2509

BMGT450 **Integrated Marketing Communications**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation.

ESG1	Marjorie Bonavia	Seats (Total: 45)
	TuTh 9:30am - 10:45am	BLD2 2052
	Restricted to BMGT-Shady Grove Seniors majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT453 **Retail Management**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT220 and BMGT350. Credit only granted for: BMGT353 or BMGT453. Formerly: BMGT353.

Planning and implementing retail marketing strategy. Application to store and non-store (catalog, internet) retailing. Evaluation of how environmental trends in the consumer market, competition, the economy and technology affect retail strategy in the U.S. and global market.

Restricted to BMGT majors with 60 credit hours completed.

0101	Jie Zhang TuTh 12:30pm - 1:45pm	Seats (Total: 45) VMH 1528
0201	Jie Zhang TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1528

BMGT454 Global Marketing

Credits: 3 Grading Method: Regular

Prerequisite: BMGT350.

Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing.

Restricted to BMGT majors with 72 credit hours completed.

0101	Kathleen Kelly TuTh 3:30pm - 4:45pm	Seats (Total: 45) VMH 1505

BMGT456 Customer-Centric Innovation

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BMGT350. Credit only granted for: BMGT352, BMGT382 or BMGT456. Formerly: BMGT352.

Addresses the management of new products and services with a focus on the innovation process, specifically the development and launching of new products or services: Opportunity Identification, Concept Generation, Design, Testing and Launch.

Restricted to BMGT majors with 60 credits hours completed.

0101	Yogesh Joshi TuTh 12:30pm - 1:45pm	Seats (Total: 45) VMH 1418

BMGT457 Marketing Policies and Strategies

Credits: 3 Grading Method: Regular CORE: CS

Prerequisite: BMGT350.

This capstone course ties together various marketing concepts using the fundamentals of strategic market planning as the framework. Application of these principles is accomplished by analyzing and discussing cases and by playing a marketing strategy computer simulation game. Analysis of current business articles to understand the link between theory and real-world problem solving.

Restricted to Marketing majors with 100 credit hours completed.

0101	Cathy Yi Chen TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1311
0201	Judy Frels TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1311

BMGT458A **Special Topics in Marketing; Design and Innovation in Marketing**

(Perm req)

Credits: 3 Grading Method: Regular

Selected advanced topics in marketing.

0101	Mary Beth Furst TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1518
	Restricted to students in the Strategic Design and Innovation Fellows program.	

BMGT458B **Special Topics in Marketing; Design Applications in Marketing and Branding**

(Perm req)

Credits: 3 Grading Method: Regular

Selected advanced topics in marketing.

0101	Lance Wain M 7:00pm - 9:40pm	Seats (Total: 35) VMH 1307
	Restricted to students in the Strategic Design and Innovation Fellows program.	

BMGT458Q **Special Topics in Marketing; Computer Graphics Workshop**

Credits: 3 Grading Method: Regular

Selected advanced topics in marketing.

0101	Elizabeth Bagley W 7:00pm - 9:40pm	Seats (Total: 35) VMH 1415
	Restricted to students in the Strategic Design and Innovation Fellows program.	

BMGT458R **Special Topics in Marketing; Advanced Computer Graphics Workshop**

Credits: 3 Grading Method: Regular

Selected advanced topics in marketing.

Restricted to students in the Strategic Design and Innovation Fellows program.

0101	Elizabeth Bagley W 4:00pm - 6:40pm	Seats (Total: 20) VMH 3330H

BMGT461 Entrepreneurship

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, BMGT461, ENES460, SMLP470 or HLMN470.

Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business.

0101	Sheetal Singh	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	VMH 1308
	Restricted to BMGT majors with 72 credit hours completed. Non-majors should register for BMGT 461N.	
ESG1	Le-Marie Thompson	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	BLD3 3220
	Restricted to BMGT-Shady Grove Juniors majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT461M Entrepreneurship

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, BMGT461, ENES460, SMLP470 or HLMN470.

Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business.

Restricted to Innovation & Entrepreneurship Minors (#BU03).

0101	Mike Hoffmeyer	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	EGR 0135

BMGT461N Entrepreneurship

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, BMGT461, ENES460, SMLP470 or HLMN470.

Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business.

Restricted to non-BMGT majors with 72 credits. Not open to innovation and Entrepreneurship minors.

0101	Sheetal Singh TuTh 3:30pm - 4:45pm	Seats (Total: 15) VMH 1308

BMGT463 **Cross-cultural Challenges in Business**

Credits: 3 Grading Method: Regular

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures.

0101	Debra Shapiro MW 2:00pm - 3:15pm *Restricted to International Business & Mgmt majors with 72 credits.*	Seats (Total: 45) VMH 1418

BMGT466 **Global Business Strategy**

Credits: 3 Grading Method: Regular

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

Focuses on the strategic challenges that directly result from and are associated with the globalization of industries and companies. Topics include drivers of industry globalization, difference between global and multi-domestic industry, global expansion strategies, sources of competitive advantage in a global context, and coordination of a company across a global network.

Restricted to International Business majors and Management majors with 72 credit hours completed.

0101	Paulo Prochno MW 9:30am - 10:45am	Seats (Total: 42) VMH 2511
0201	Paulo Prochno MW 12:30pm - 1:45pm	Seats (Total: 58) VMH 1335

BMGT468A **Special Topics in Management and Organization; Making Better Business Decisions with Data: An Introduction to Causal Inference**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced topics in management and organization.

Prerequisite: BMGT230; Course restricted to any BMGT major. The goal of the course is to provide students with a toolkit for linking data analysis and strategic decision making. Even while there is an increasing proliferation of data and analysis tools, making informed predictions about how and when policy decisions will influence performance outcomes is challenging. Making informed and useful predictions requires: a) understanding the basics of data structures, variables, and relationships; b) a nuanced understanding of the limits of statistical analysis as applied to causal reasoning; c) the application of research design solutions for common inferential pitfalls; and d) facility with credible research and reporting practices.

0101	Evan Starr, David Waguespack TuTh 9:30am - 10:45am	Seats (Total: 22) VMH 1311
0201	David Waguespack, Evan Starr TuTh 12:30pm - 1:45pm	Seats (Total: 22) VMH 1314

BMGT468B **Special Topics in Management and Organization; Integrative Management Capstone**

Credits: 3 Grading Method: Regular

Selected advanced topics in management and organization.

Course restricted to Management majors (0503G).

0101	Wendy Sanhai MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1308

BMGT468J **Special Topics in Management and Organization; Fundamentals of Business Research**

Credits: 3 Grading Method: Regular

Selected advanced topics in management and organization.

Restricted to students with 60 credits completed. Demonstrated ability to think critically and challenge assumptions are vital skills for leaders across multiple domains. In this course students will expand their opportunities in the modern workplace by learning the fundamentals of business research, as well as learn about career-related opportunities business research skills can facilitate in both industry and academia. This course will provide students the opportunity to work closely with a faculty mentor, and gain the skills necessary to improve their responsible conduct of research as well as reflect on their growth as blossoming researchers and critical thinkers. In addition, this course will serve as a critical stepping stone towards conducting an honors thesis, for those students who wish to pursue additional research beyond this course.

0101	Gilad Chen MW 2:00pm - 3:15pm	Seats (Total: 25) VMH 1311

BMGT468R **Special Topics in Management and Organization; Fearless Founders: New Venture Practicum**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Selected advanced topics in management and organization.

0101	Le-Marie Thompson	Seats (Total: 25)
	M 5:00pm - 7:40pm	VMH 3330H

BMGT468V **Special Topics in Management and Organization; Business Models and Methods to Affect Social Change**

Credits: 3 Grading Method: Regular

Selected advanced topics in management and organization.

Restricted to students with 30 or more credits.

0101	David Kirsch	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	VMH 1518

BMGT468Y **Special Topics in Management and Organization; Entrepreneurial Capitalism Around the World**

Credits: 3 Grading Method: Regular

Selected advanced topics in management and organization.

Restricted to students with 60 credit hours completed.

0101	Serguey Braguinsky	Seats (Total: 60)
	MW 9:30am - 10:45am	VMH 1308

BMGT468Z **Special Topics in Management and Organization; Create the Future through Systems Thinking and Design**

Credits: 3 Grading Method: Regular

Selected advanced topics in management and organization.

0101	Gerald Suarez	Seats (Total: 35)
	MW 11:00am - 12:15pm	VMH 1308
	Restricted to students with 60 credit hours completed.	
0201	Gerald Suarez	Seats (Total: 35)
	MW 12:30pm - 1:45pm	VMH 1308
	Restricted to BMGT majors only.	

BMGT472 **Purchasing and Inbound Logistics**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT372.

Analysis of the resupply activities of logistics management, including purchasing policies, transportation planning, and inventory control. Attention is directed toward total cost minimization and the establishment of a sustainable competitive advantage based on procurement.

Restricted to Supply Chain Management majors only.

0101	Sining Song MW 2:00pm - 3:15pm	Seats (Total: 28) VMH 2511
0201	Sining Song MW 3:30pm - 4:45pm	Seats (Total: 28) VMH 2511

BMGT475 Supply Chain Strategy and Network Design

Credits: 3 Grading Method: Regular

Prerequisite: BMGT372.

Analysis of the strategic aspects of supply chain management. Emphasis on the creation of end-user value through supply chain cost reductions, service improvements or both. Attention is directed toward the enabling role of technology in support of strategy evaluation and implementation.

Restricted to Supply Chain Management majors (0503T).

0101	Thomas Corsi MW 9:30am - 10:45am	Seats (Total: 32) VMH 1518

BMGT476 Technology Applications in Supply Chain Management

Credits: 3 Grading Method: Regular

Prerequisite: BMGT372.

An understanding of the role of technology in managing the supply chain. Provides students with hands-on experience in advanced software systems that build on top of enterprise resource planning systems. Major emphasis is placed on demonstrating that these systems result in supply chain cost reductions and service improvements.

Restricted to Supply Chain Management and Information Systems majors.

0101	Hongyi Zhang TuTh 11:00am - 12:15pm	Seats (Total: 24) VMH 3522

BMGT477 International Supply Chain Management

Credits: 3 Grading Method: Regular

The study of the importance of the supply chain management within a global context. Topics covered include: the structure, service, pricing and competitive relationships among international carriers and transport intermediaries as well as documentation, location decisions, international sourcing/distribution and management of inventory throughout the international supply chain.

Restricted to Supply Chain Management and International Business majors.

0101	Thomas Corsi TuTh 5:00pm - 6:15pm	Seats (Total: 32) VMH 1206

BMGT478I **Special Topics in Supply Chain Management; Intermodal Transportation**

Credits: 3 Grading Method: Regular

Selected advanced topics in supply chain management.

Prerequisite: Must have completed or be concurrently enrolled in BMGT370. Restricted to Supply Chain Management majors.

0101	Thomas Corsi Tu 7:00pm - 9:40pm	Seats (Total: 17) VMH 1206

BMGT484 **Digital Marketing**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

Examines the process of developing, implementing, and analyzing strategies for successfully marketing a variety of existing and potential products and services through digital means, including the web, social media, and mobile apps. Both the development and analysis of digital media for marketing will be discussed.

Restricted to BMGT majors with 60 credit hours completed.

0101	Cathy Yi Chen TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1307
0201	Cathy Yi Chen TuTh 3:30pm - 4:45pm	Seats (Total: 45) VMH 1307

BMGT485 **Project Management**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT231 or BMGT230; or students who have taken courses with comparable content may contact the department. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT485, ENCE320, ENCE325, INST408O or INST453.

Modern project management techniques that are used by modern practicing professionals will be covered. Particular attention is given to the management of technology based systems and projects in a business enterprise. The topics covered include: defining project scope, alignment of projects with enterprise strategy, managing project cost, time and risks using tools such as CPM/PERT, and measuring project performance.

Restricted to Information Systems majors with 60 credit hours completed and BMGT majors with 72 credit hours completed.

0101	Paul Shapiro MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1335
0201	Paul Shapiro MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1415

BMGT490H QUEST Capstone Professional Practicum

Credits: 4 Grading Method: Regular General Education: DSSP

Prerequisite: BMGT390, ENES390 or ENED390. Cross-listed with: ENED490. Credit only granted for: BMGT490, ENES490 or ENED490. Formerly: ENES490.

The capstone course for the QUEST Honors Program provides students with an opportunity to learn in multidisciplinary teams of business, engineering, and science students in a real-world setting. Companies engage teams of QUEST students with real organizational challenges and dedicate resources to help students address these problems. Student teams must enhance their skills in quality management, process improvement, and systems design and will apply these to add value to a client. In the process, students will improve their teamwork skills.

Restricted to Quest Program students.

0101	Maria Bardossy, David Ashley W 5:00pm - 7:40pm Contact instructor or department for details.	Seats (Total: 45) VMH 1308

BMGT491 Scoping Experiential Learning Projects

Credits: 3 Grading Method: Regular, Audit

Prerequisite: BMGT190, ENES190, ENED290 or BMGT290. Restriction: Must be in the QUEST Program (TQMP). Cross-listed with: ENED491. Credit only granted for: BMGT491, ENES491 or ENED491. Formerly: ENES491.

Students cultivate relationships with new and current corporate partners and prepare project scopes for QUEST courses. As part of the scoping process, students learn about techniques for reaching out to clients, assessing current relationships to determine how to approach an organization, pitching project sponsorship, and determining a project scope. The course includes independent work networking with clients and phone call and video discussions with potential clients.

Prerequiste: BMGT190H or ENES190H. Restricted to Quest. Cross-listed with ENES491.

0101	Jessica Roffe Tu 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 11) VMH 3330H

BMGT495 **Strategic Management**

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

A case-based course where students learn to play the role of the "strategic manager" who defines the scope of its business operations and, within the chosen scope, how the firm will compete against rivals. This course focuses on how a firm can both formulate effective business-level and corporate-level strategies to achieve competitive advantage and earn above average profits.

Restricted to BMGT students with 60 credit hours completed.

0101	Protiti Dastidar MW 9:30am - 10:45am	Seats (Total: 48) VMH 1206
0201	Protiti Dastidar MW 11:00am - 12:15pm	Seats (Total: 48) VMH 1206
0301	Clarence Wesley MW 12:30pm - 1:45pm	Seats (Total: 48) VMH 1206
0401	Clarence Wesley MW 2:00pm - 3:15pm	Seats (Total: 48) VMH 1206
0501	Serguey Braguinsky MW 3:30pm - 4:45pm	Seats (Total: 48) VMH 1418
0601	Clarence Wesley MW 5:00pm - 6:15pm	Seats (Total: 48) VMH 1418
0701	Roy Thomason TuTh 9:30am - 10:45am	Seats (Total: 48) VMH 1206
0801	Vineet Gambhir TuTh 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 48) VMH 1206 ONLINE
0901	Roy Thomason TuTh 12:30pm - 1:45pm	Seats (Total: 48) VMH 1206

1001	Roy Thomason	Seats (Total: 48)
	TuTh 2:00pm - 3:15pm	VMH 1206

BMGT498X **Special Topics in Business and Management; The Future of Business**

Credits: 3 Grading Method: Regular

Special topics in business and management designed to meet the changing needs and interests of students and faculty.

BMGT-Shady Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.

ESG1	Joseph Bailey, Henry Boyd	Seats (Total: 100)
	MW 12:30pm - 1:45pm	BLD3 3241
	Restricted to BMGT-Shady Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT600 **Leadership and Teamwork**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Permission of BMGT-Robert H. Smith School of Business; or must be in Business and Management (Master's) program. Credit only granted for: BMGT600, BUSI662 or BUSM600.

Course examines concepts of team-building and leadership which are critical to managerial success. Topics include leadership, decision making, communication and conflict, work motivation, building effective teams, and organizational change and culture.

0501	Sheetal Singh	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	TuTh 10:00am - 11:50am	VMH 1511

BMGT602 **Introduction to Financial Accounting**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI610, BUAC602, BUFN602, or BMGT602.

Overview of financial accounting, periodic financial statements and the financial reporting process. Importance of financial statements as information source for creditors and investors and as a means by which managers can communicate information about their firms.

0501	Nick Seybert	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	MW 12:00pm - 1:50pm Contact instructor or department for details.	VMH 1333

BMGT606 **Data Driven Decision Making**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI630 or BMGT606.

Analytical modeling of business decisions; uncertainty, risk and expected utility; regression modeling to infer relationships among variables.

0501	Eaman Jahani	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	TuTh 10:00am - 11:50am	VMH 2202
0502	Eaman Jahani	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	TuTh 12:00pm - 1:50pm	VMH 2202

BMGT610 **Financial Management**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Permission of BMGT-Robert H. Smith School of Business; or must be in Business and Management (Master's) program. Credit only granted for: BUSI640, BUFN610, or BMGT610.

Focuses on the valuation of the real assets of firms as well as the valuation of stocks and bonds, the primary financial assets in an economy. While details vary, the conceptual foundations of valuation boil down to three themes: time value of money, no-arbitrage, and systematic risk.

0501	James Seward	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	MW 4:00pm - 5:50pm	VMH 1528

0502	James Seward **Meets October 20, 2025 - December 12, 2025** MW 2:00pm - 3:50pm	Seats (Total: 0) VMH 1528

BMGT612 **Marketing Management**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Permission of BMGT-Robert H. Smith School of Business; or must be in Business and Management (Master's) program. Credit only granted for: BUSI650 or BMGT612.

Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets.

0501	Judy Frels **Meets October 20, 2025 - December 12, 2025** MW 10:00am - 11:50am	Seats (Total: 0) VMH 1333
0502	Judy Frels **Meets October 20, 2025 - December 12, 2025** TuTh 10:00am - 11:50am	Seats (Total: 0) VMH 1336

BMGT758E **Special Topics in Business and Management; Business Ethics**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

0501	Jennifer Marr **Meets October 20, 2025 - December 12, 2025** TuTh 12:00pm - 1:50pm	Seats (Total: 0) VMH 1336

BMGT758N **Special Topics in Business and Management; Negotiation and Conflict Management**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

0501	Rellie Rozin **Meets August 25, 2025 - October 10, 2025** MW 10:00am - 11:50am	Seats (Total: 0) VMH 1520

0502	Rellie Rozin **Meets August 25, 2025 - October 10, 2025** MW 2:00pm - 3:50pm	Seats (Total: 0) VMH 1520

BMGT758Z **Special Topics in Business and Management; Sports Sales and Sponsorship**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

0501	Stephen Sclafani **Meets August 25, 2025 - October 10, 2025** TuTh 2:00pm - 3:50pm	Seats (Total: 50) VMH 1202

BMGT808G **Special Topics in Information Systems; Applied Microeconomics**

Credits: 2 Grading Method: Regular, Audit

Special topics specific to the Information Systems doctoral field of study.

0101	Kislaya Prasad **Meets September 2, 2025 - October 17, 2025** W 1:00pm - 4:00pm	Seats (Total: 12) VMH 4335

BMGT808R **Special Topics in Information Systems; Research Seminar in Decision, Operations and Information Technologies**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Information Systems doctoral field of study.

0101	Peng Huang Contact instructor or department for details.	Seats (Total: 12)

BMGT808V **Special Topics in Information Systems; Research in Strategy and Information Systems I**

Credits: 2 Grading Method: Regular, Audit

Special topics specific to the Information Systems doctoral field of study.

0101	Peng Huang **Meets September 2, 2025 - October 17, 2025** F 1:30pm - 4:55pm	Seats (Total: 12) VMH 3330H

BMGT808W **Special Topics in Information Systems; Research in Strategy and Information Systems II**

Credits: 2 Grading Method: Regular, Audit

Special topics specific to the Information Systems doctoral field of study.

0101	Jui Ramaprasad	Seats (Total: 12)
	Meets October 20, 2025 - December 12, 2025	
	W 9:00am - 12:30pm	VMH 2509

BMGT818R **Special Topics in Accounting and Information Assurance; Workshop in Accounting Research**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Accounting and Information Assurance doctoral field of study.

0101	Michael Kimbrough	Seats (Total: 12)
	Contact instructor or department for details.	

BMGT818Y **Special Topics in Accounting and Information Assurance; Management Accounting and Cyber Risk Management**

Credits: 3 Grading Method: Regular, Audit

Special topics specific to the Accounting and Information Assurance doctoral field of study.

0101	Lawrence Gordon	Seats (Total: 12)
	F 10:00am - 1:00pm	VMH 3570

BMGT828 **Independent Study in Business and Management**

Credits: 1-9 Grading Method: Regular

Contact department for information to register for this course.

BMGT835 **Simulation of Discrete-Event Systems**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Knowledge of Fortran, Basic, C, or Pascal.

Simulation modeling and analysis of stochastic discrete-event systems such as manufacturing systems, inventory control systems, and computer/ communications networks.

0101	Michael Fu	Seats (Total: 12)
	Th 12:30pm - 3:10pm	VMH 4335

BMGT838R **Special Topics in Operations Management/Management Science; Research Seminar in Decision, Operations and Information Technologies**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Operations Management/Management Science doctoral field of study.

0101	Raghu Raghavan	Seats (Total: 12)
	Contact instructor or department for details.	

BMGT840 Seminar in Financial Theory

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of BMGT-Robert H. Smith School of Business.

Seminar in selected classic and current theoretical and empirical research in the foundations of finance.

0101	Yueyang Han	Seats (Total: 12)
	Th 6:30pm - 9:30pm	VMH 3330H

BMGT848A Special Topics in Finance; Financial Research Methods

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Finance doctoral field of study.

0101	Vojislav Maksimovic	Seats (Total: 12)
	Meets October 20, 2025 - December 12, 2025	
	Th 7:00pm - 9:40pm	Location: TBA

BMGT848F Special Topics in Finance; Workshop in Finance Research

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Finance doctoral field of study.

0101	Serhiy Kozak	Seats (Total: 12)
	F 9:00am - 12:00pm	VMH 1330

BMGT858C Special Topics in Marketing; Consumer Behavior

Credits: 3 Grading Method: Regular, Audit

Special topics specific to the Marketing doctoral field of study.

0101	Amna Kirmani	Seats (Total: 12)
	W 1:30pm - 4:10pm	VMH 3332

BMGT858P **Special Topics in Marketing; Marketing Models**

Credits: 3 Grading Method: Regular, Audit

Special topics specific to the Marketing doctoral field of study.

0101	Jie Zhang	Seats (Total: 12)
	M 1:30pm - 4:30pm	VMH 3332

BMGT858R **Special Topics in Marketing; Marketing Research Seminar**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Marketing doctoral field of study.

Course restricted to Marketing PhD students only

0101	Joseph Reiff	Seats (Total: 16)
	F 10:00am - 12:30pm	VMH 1412

BMGT868C **Special Topics in Organizational Behavior/Human Resource Management; Career and Professionalization Workshop in Management and Organization**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Organizational Behavior/Human Resource Management doctoral field of study.

0101	David Kirsch	Seats (Total: 20)
	F 12:30pm - 2:00pm	VMH 2509

BMGT868L **Special Topics in Organizational Behavior/Human Resource Management; Seminar in Leadership**

Credits: 2 Grading Method: Regular, Audit

Special topics specific to the Organizational Behavior/Human Resource Management doctoral field of study.

0101	Vijaya Venkataramani	Seats (Total: 12)
	Meets September 2, 2025 - October 17, 2025	
	W 9:00am - 12:30pm	VMH 3332

BMGT868N **Special Topics in Organizational Behavior/Human Resource Management; Open Science Workshop**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Organizational Behavior/Human Resource Management doctoral field of study.

0101	Gilad Chen	Seats (Total: 12)
	M 9:00am - 12:15pm	VMH 4534

BMGT868P **Special Topics in Organizational Behavior/Human Resource Management; Organizational Behavior and Human Resource Management Presentations**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Organizational Behavior/Human Resource Management doctoral field of study.

0101	Jennifer Marr	Seats (Total: 10)
	W 1:00pm - 2:30pm	VMH 2509

BMGT868W **Special Topics in Organizational Behavior/Human Resource Management; Work Motivation**

Credits: 2 Grading Method: Regular, Audit

Special topics specific to the Organizational Behavior/Human Resource Management doctoral field of study.

0101	Alyssa Tedder-King	Seats (Total: 12)
	Meets October 20, 2025 - December 12, 2025	
	Th 1:00pm - 4:30pm	VMH 4534

BMGT878C **Special Topics in Strategic Management and Entrepreneurship; Cross Disciplinary Workshop**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.

0101	Marvin Jones	Seats (Total: 12)
	Th 11:00am - 12:30pm	VMH 3330H

BMGT878F **Special Topics in Strategic Management and Entrepreneurship; Sociological Foundations**

Credits: 2 Grading Method: Regular, Audit

Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.

0101	David Kirsch **Meets October 20, 2025 - December 12, 2025** W 1:30pm - 5:00pm	Seats (Total: 12) VMH 4534

BMGT878P **Special Topics in Strategic Management and Entrepreneurship; Strategy and Entrepreneurship PhD Presentations**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.

0101	Waverly Ding, Brent Goldfarb Th 9:15am - 10:45am	Seats (Total: 12) VMH 3330H

BMGT878R **Special Topics in Strategic Management and Entrepreneurship; Strategy and Entrepreneurship Research Design**

Credits: 1 Grading Method: Regular, Audit

Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.

0101	David Waguespack **Meets October 20, 2025 - December 12, 2025** M 1:00pm - 4:00pm	Seats (Total: 12) VMH 3330H

BMGT878T **Special Topics in Strategic Management and Entrepreneurship; Organizational Theory**

Credits: 2 Grading Method: Regular, Audit

Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.

0101	David Kirsch **Meets September 2, 2025 - October 17, 2025** W 1:30pm - 5:00pm	Seats (Total: 12) VMH 4534

BMGT878Y **Special Topics in Strategic Management and Entrepreneurship; Best Methods**

Credits: 4 Grading Method: Regular, Audit

Special topics specific to the Strategic Management and Entrepreneurship doctoral field of study.

0101	Evan Starr W 9:00am - 12:30pm	Seats (Total: 12) VMH 4534

BMGT888L **Special Topics in Supply Chain Management; Logistics Research**

Credits: 3 Grading Method: Regular

Special topics specific to the Supply Chain Management doctoral field of study.

0101	Martin Dresner	Seats (Total: 12)
	M 9:00am - 12:00pm	VMH 3332

BMGT888W **Special Topics in Supply Chain Management; Workshop in Supply Chain Management**

Credits: 1 Grading Method: Regular

Special topics specific to the Supply Chain Management doctoral field of study.

0101	Sining Song	Seats (Total: 12)
	F 12:00pm - 3:00pm	VMH 4535

BMGT898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BMGT899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

BMIN General Business Minor Fall 2025

BMIN210 **Foundations of Accounting for Non Business Majors**

Credits: 3 Grading Method: Regular

Restriction: Must not have completed BMGT221; and must not be a major in the Robert H. Smith School of Business. Credit only granted for: (BMGT220 and BMGT221), BMGT210 or BMIN210. Formerly: BMGT210. Additional information: Does not apply to a Smith School degree. Students pursuing a Smith School minor who have completed both BMGT220 and BMGT221 may substitute these courses for BMIN210. Credit will not be given for both BMIN210 and the combination of BMGT220 and BMGT221.

Provides an understanding of the common statements that report a company's profitability and financial health, and are useful to all economic agents who are engaged with the firm. Students will also recognize and understand managerial accounting as a system for accumulating and modeling information to support decision-making.

Restricted to General Business Minors (#BU02) and Real Estate and the Built Environment majors (05110).

0101	Darlene Dennison	Seats (Total: 180)
	Class time/details on ELMs	ONLINE

0201	Darlene Dennison	Seats (Total: 180)
	Class time/details on ELMs	ONLINE

BMIN305 **Foundations of Information Systems for Non-Business Majors**

Credits: 3 Grading Method: Regular

Restriction: Must not have completed BMGT301; and must not be a major in the Robert H. Smith School of Business. Credit only granted for: BMIN305 or BMGT301. Additional information: Course does not apply to a Robert H. Smith School of Business degree. BMGT301 may substitute for BMIN305.

According to the Congressional Research Service, "Technological progress is potentially the most important and hardest to measure source of productivity growth." The technology sector makes up almost 10% of the US GDP and is the largest sector in the S&P 500. Since the mid-1970s, technology has impacted businesses and consumers at a rate of change that is increasing exponentially. Many businesses and consumers cannot fully leverage the potential of technology, and some businesses fail because they cannot match the value their competitors can extract from technology. In this course, we focus on the practices necessary for successfully deploying technology, especially emerging technologies such as artificial intelligence and blockchain, to serve the business. This course enables you to master the use of technology such as AI chatbots and agents for individual productivity as well as acquire the managerial skills to harness the value of technology.

Restricted to General Business Minors (#BU02)

0101	Tejwansh Anand	Seats (Total: 180)
	Class time/details on ELMs	ONLINE

BMIN345 **Foundations of Financial Management for Non Business Majors**

Credits: 3 Grading Method: Regular

Prerequisite: BMIN210, BMGT210 or BMGT220. Restriction: Must not have completed BMGT340; and must not be a major in the R.H. Smith School of Business. Credit only granted for: BMIN345, BMGT345 or BMGT340. Formerly: BMGT345. Additional information: Course does not apply to a Smith School degree. BMGT340 may substitute for BMIN345.

Provides students an overview of financial management. Students will understand how a business allocates financial resources in an uncertain environment to maximize shareholder value. In addition, students will learn the following: how to apply accounting principles to corporate finance; how to value assets, projects, companies and investment securities; understand the relationship between risk and return and how it impacts investment and corporate decisions; how to calculate a company's cost of capital, and develop an intuitive comprehension of financial concepts and analysis.

Restricted to General Business Minors (#BU02).

0101	Michael Padhi	Seats (Total: 250)
	Class time/details on ELMs	ONLINE

BMIN355 **Foundations of Marketing for Non Business Majors**

Credits: 3 Grading Method: Regular

Restriction: Must not have completed BMGT350; and must not be a major in the R.H. Smith School of Business. Credit only granted for: BMIN355, BMGT355 or BMGT350. Formerly: BMGT355. Additional information: Course does not apply to a Smith School degree. BMGT350 may substitute for BMIN355.

Introduces the concepts and principles of marketing. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees.

Restricted to General Business Minors (#BU02).

0101	Idil Yaveroglu	Seats (Total: 181)
	Class time/details on ELMs	ONLINE
0201	Idil Yaveroglu	Seats (Total: 181)
	Class time/details on ELMs	ONLINE

BMIN375 **Supply Chain Management for Non Business Majors**

Credits: 3 Grading Method: Regular

Restriction: Must not have completed BMGT372; and must not be a major in the Robert H. Smith School of Business. Credit only granted for: BMIN375, BMGT375 or BMGT372. Formerly: BMGT375. Additional information: Course does not apply to a Smith School degree. Course may be substituted by BMGT372 for General Business minor students only.

Examines management decision-making in the design, implementation and coordination of a firm's supply chain activities. Topics include transportation management, warehousing, materials handling, inventory management, and order fulfillment.

Restricted to General Business Minors (#BU02).

0101	Leland Gardner	Seats (Total: 180)
	Class time/details on ELMs	ONLINE

BMIN395 **Principles of Management for Non Business Majors**

Credits: 3 Grading Method: Regular

Restriction: Must not have completed BMGT364; and must not be a major in the Robert H. Smith School of Business. Credit only granted for: BMIN395, BMGT395 or BMGT364. Formerly: BMGT395. Additional information: Course does not apply to a Smith School degree. Course may be substituted by BMGT364 for General Business minor students only.

Introduces concepts related to organization behavior. Topics include leadership, team decision making and management, conflict resolution and negotiations, organizational culture, and organization change. Students will learn how to apply those concepts and theories to understanding and critically analyzing various individual, interpersonal, group, and organizational management processes.

Restricted to General Business minors (#BU02).

0101	Nima Farshchi	Seats (Total: 206)
	Class time/details on ELMs	ONLINE

BMSO Online Business MS Programs Fall 2025

BMSO600 **Data, Models and Decisions**

Credits: 3 Grading Method: Regular

Prerequisite: Permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in an online Business Master of Science program; or permission of BMGT-Robert H. Smith School of Business.

The field of data analytics is a very vibrant and broad field. The amount of data available and computing power have exploded in recent years. There is an increasing demand for business analysts who can select and apply the appropriate methods and interpret the results within the context of the problem. The goal of this course is to learn methods for exploring data and building models with the purpose of supporting data-driven decision making. The content of the course can be grouped as follows: Data Exploration, Probability, Confidence Interval Estimation, Hypothesis Testing and Regression Analysis. The focus will be on exploring realistic business scenarios, analyzing datasets using the appropriate analytical techniques, interpreting the analytic output within the context of the business scenario and translating the statistical results into actionable insights.

WN01	Maria Bardossy	Seats (Total: 0)
	Meets August 25, 2025 - December 12, 2025	
	Tu 7:00pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE

BMSO601 **Database Management Systems**

Credits: 3 Grading Method: Regular

Prerequisite: Permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in an online Business Master of Science program; or permission of BMGT-Robert H. Smith School of Business.

The fundamentals of managing data and information within an organization, including enterprise level platforms and tools for data driven analytics. Includes processes for acquiring and cleaning data, storing data, making it available for analytics, visualizing output, and archiving the data for long term use. Involves computational thinking, covers significant theoretical material on data models and queries, and teaches several different analytics and programming tools.

WN01	John Bono	Seats (Total: 0)
	Meets August 25, 2025 - December 12, 2025	
	M 7:00pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE

BMSO603 **Data Mining and Predictive Analytics**

Credits: 3 Grading Method: Regular

Prerequisite: Permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in an online Business Master of Science program; or permission of BMGT-Robert H. Smith School of Business.

In the business press, on TV, and in board rooms, 'machine learning,' 'AI,' 'big data' and 'data analytics' are now hot topics. Vast quantities of data are being generated these days, including new types of data such as web traffic, social network data, and reviews and comments on websites. This data is a valuable resource that, when used correctly, can create a competitive edge for companies. Advances in computing hardware and algorithms have significantly improved the quality of predictions and effectiveness of business applications based on them. Expertise in working with data, and a sound knowledge of data mining/machine learning methods, is a much sought after skill. The course provides an introduction to the key tools and techniques of data mining/machine learning, including classification, prediction, cluster analysis, association rules, and text mining. The methods covered are Linear Regression, Logistic Regression, K-nearest neighbors, Naive Bayes, Classification and Regression Trees, Ensemble methods, Neural Networks, K-Means and Hierarchical Clustering, and Association Rules. The focus throughout will be on business applications. Examples from Marketing, Finance, Healthcare, and Operations will be used to illustrate the breadth of applications.

WN01	Melanie De Grano	Seats (Total: 0)
	Meets August 25, 2025 - December 12, 2025	
	M 7:00pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE

BMSO758E **Special Topics in Business; Advanced Marketing Analytics**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

WN01	Michel Wedel	Seats (Total: 45)
	Meets October 20, 2025 - December 12, 2025	
	Th 7:00pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE

BMSO758F **Special Topics in Business; Financial Analytics**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

WN01	Harish Neelakandan	Seats (Total: 45)
	Meets August 25, 2025 - October 10, 2025	
	Class time/details on ELMs	ONLINE

BMSO758Q **Special Topics in Business; Big Data and Artificial Intelligence for Business**

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Cross-listed with BDBA804. Credit only granted for BDBA804 or BMSO758Q.

WN01	Kunpeng Zhang	Seats (Total: 0)
	Meets August 25, 2025 - December 12, 2025	
	Class time/details on ELMs	ONLINE
	Class time/details on ELMs	ONLINE

BMSO758T **Special Topics in Business; Enterprise Cloud Computing and Advanced Technologies**

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

WN01	Bharti Motwani	Seats (Total: 0)
	Meets August 25, 2025 - December 12, 2025	
	W 7:00pm - 8:00pm Contact instructor or department for details.	ONLINE

BMSO758V **Special Topics in Business; Data Visualization**

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Cross-listed with BDBA808E. Credit only granted for BDBA808E or BMSO758V.

WN01	Bharti Motwani	Seats (Total: 0)
	Meets August 25, 2025 - December 12, 2025	
	W 8:15pm - 9:15pm	ONLINE
	Class time/details on ELMs	ONLINE

BMSO778A **Special Topics in Business; Financial Accounting**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Asynchronous with required Live Tutorial.

WM01	Emanuel Zur	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	M 7:00pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE

BMSO778C **Special Topics in Business; Career Coaching and Development**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

WM01	Sarah Wolek	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	Class time/details on ELMs	ONLINE

BMSO778D **Special Topics in Business; Data Driven Decision Making**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Asynchronous with required Live Tutorial.

WM01	Alan Briggs	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	Th 7:15pm - 8:15pm	ONLINE
	Class time/details on ELMs	ONLINE
WM02	Alan Briggs	Seats (Total: 33)
	Meets October 20, 2025 - December 12, 2025	
	Th 6:00pm - 7:00pm	ONLINE
	Class time/details on ELMs	ONLINE

BMSO778F **Special Topics in Business; Financial Management**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Asynchronous with required Live Tutorial.

WM01	Susan White **Meets October 20, 2025 - December 12, 2025** Tu 6:00pm - 7:00pm Class time/details on ELMs	Seats (Total: 0) ONLINE ONLINE

BMSO778L **Special Topics in Business; Leadership and Teamwork**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

WM01	Roy Thomason **Meets August 25, 2025 - October 10, 2025** Class time/details on ELMs	Seats (Total: 0) ONLINE

BMSO778M **Special Topics in Business; Marketing Management**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

WM01	Mary Beth Furst **Meets October 20, 2025 - December 12, 2025** Class time/details on ELMs	Seats (Total: 0) ONLINE

BMSO778N **Special Topics in Business; Negotiation and Conflict Management**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

WM01	Gosia Langa Basit **Meets August 25, 2025 - October 10, 2025** Tu 7:00pm - 8:30pm Class time/details on ELMs	Seats (Total: 0) ONLINE ONLINE
WM02	Gosia Langa Basit **Meets August 25, 2025 - October 10, 2025** Tu 8:45pm - 10:15pm	Seats (Total: 0) ONLINE

BMSO778S **Special Topics in Business; Global Sports Entrepreneurship**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

WM01	Stephen Sclafani **Meets October 20, 2025 - December 12, 2025** Class time/details on ELMs	Seats (Total: 45) ONLINE

BSCI Biological Sciences Program Fall 2025

BSCI135 **Amazing Green: Plants that Transformed the World**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL, SCIS

In what profound ways have plants changed humanity and the world we live in today? An interactive way to learn about plants and science, focusing on how plants have changed human history, the biology of their growth, and the science behind their use.

(Sponsoring Dept.: CBMG). Students must pay a $40.00 laboratory materials fee. Not acceptable for credit for any Biological Sciences major.

0101	Edgar Moctezuma TuTh 9:30am - 10:45am M 12:30pm - 2:30pm	Seats (Total: 24) HJP 0226 HJP 3237	 Lab
0102	Edgar Moctezuma TuTh 9:30am - 10:45am Tu 12:00pm - 2:00pm	Seats (Total: 24) HJP 0226 HJP 3237	 Lab
0103	Edgar Moctezuma TuTh 9:30am - 10:45am W 12:30pm - 2:30pm	Seats (Total: 24) HJP 0226 HJP 3237	 Lab
0104	Edgar Moctezuma TuTh 9:30am - 10:45am Th 12:30pm - 2:30pm	Seats (Total: 24) HJP 0226 HJP 3237	 Lab
0105	Edgar Moctezuma TuTh 9:30am - 10:45am W 3:00pm - 4:50pm	Seats (Total: 24) HJP 0226 HJP 3237	 Lab

BSCI151 **Beyond Race: Human Biological Diversity**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNS, DSSP, DVUP, SCIS

Credit only granted for: BSCI189I, BSCI150 or BSCI151. Formerly: BSCI150.

Do racial labels have any practical use in understanding human biological diversity? Such categorizations are inextricably linked to racism, including a history of misuse in science going back hundreds of years, yet modern biological research and medicine often include the use of race. At its core, addressing this question requires understanding the balance between genetic and non-genetic factors underlying human diversity. The course will help students make an informed critique of the biological basis of race through the study of topics such as: basic biology, data analysis and experimental design, human evolution and genetics, and biomedical research and health outcomes.

(Sponsoring Dept.: BIOL).

0101	Kimberly Paczolt MWF 3:00pm - 3:50pm	Seats (Total: 130) ESJ 1224

BSCI160 Principles of Ecology and Evolution

Credits: 3 Grading Method: Regular General Education: DSNL (if taken with BSCI161), DSNS

Prerequisite: Must have math eligibility of MATH120 or higher. Recommended: For Science majors. Credit only granted for: BSCI106 or BSCI160. Formerly: BSCI106.

Basic principles of biology with special emphasis on ecological and evolutionary biology.

(Sponsoring Dept.: BSCI).

6201	Leo Shapiro TuTh 12:30pm - 1:45pm	Seats (Total: 122) ESJ 1224
6301	Jessie Mutz TuTh 2:00pm - 3:15pm	Seats (Total: 122) ESJ 1224
6401	Mary Ann Rankin MWF 12:00pm - 12:50pm	Seats (Total: 130) ESJ 1224
6501	Chloe Garfinkel MWF 11:00am - 11:50am	Seats (Total: 122) ESJ 1224
6701	Chloe Garfinkel MWF 2:00pm - 2:50pm	Seats (Total: 122) ESJ 1224

BSCI161 Principles of Ecology and Evolution Lab

Credits: 1 Grading Method: Regular

Prerequisite: Must have math eligibility of MATH120 or higher. Corequisite: BSCI160. Recommended: For Science majors.

Basic laboratory principles of biology with special emphasis on ecological and evolutionary biology.

(Sponsoring Dept.: BSCI). Students must pay a $40.00 laboratory materials fee.

6104	Hans Lemke, Michael Keller M 11:00am - 1:50pm	Seats (Total: 24) HJP 3211	Lab
6105	Hans Lemke, Michael Keller M 11:00am - 1:50pm	Seats (Total: 24) HJP 3217	Lab
6110	Hans Lemke, Michael Keller M 5:00pm - 7:50pm	Seats (Total: 24) HJP 3211	Lab
6111	Hans Lemke, Michael Keller M 5:00pm - 7:50pm *This section is restricted to BioFire students.*	Seats (Total: 24) HJP 3217	Lab
6201	Michael Keller, Hans Lemke Tu 8:00am - 10:50am	Seats (Total: 24) HJP 3211	Lab
6204	Hans Lemke, Michael Keller Tu 11:00am - 1:50pm	Seats (Total: 24) HJP 3211	Lab
6205	Michael Keller, Hans Lemke Tu 11:00am - 1:50pm	Seats (Total: 24) HJP 3217	Lab
6211	Michael Keller, Hans Lemke Tu 5:00pm - 7:50pm	Seats (Total: 24) HJP 3217	Lab
6302	Hans Lemke, Michael Keller W 8:00am - 10:50am	Seats (Total: 24) HJP 3217	Lab
6304	Michael Keller, Hans Lemke W 11:00am - 1:50pm	Seats (Total: 24) HJP 3211	Lab
6307	Michael Keller, Hans Lemke W 2:00pm - 4:50pm	Seats (Total: 24) HJP 3211	Lab
6311	Michael Keller, Hans Lemke W 5:00pm - 7:50pm	Seats (Total: 24) HJP 3217	Lab
6401	Michael Keller, Hans Lemke Th 8:00am - 10:50am	Seats (Total: 24) HJP 3211	Lab

6405	Hans Lemke, Michael Keller Th 11:00am - 1:50pm	Seats (Total: 24) HJP 3217	Lab
6408	Michael Keller, Hans Lemke Th 2:00pm - 4:50pm	Seats (Total: 24) HJP 3217	Lab
6410	Hans Lemke, Michael Keller Th 6:00pm - 8:50pm	Seats (Total: 24) HJP 3211	Lab

BSCI161C **Principles of Ecology and Evolution Lab**

Credits: 1 Grading Method: Regular

Prerequisite: Must have math eligibility of MATH120 or higher. Corequisite: BSCI160. Recommended: For Science majors.

Basic laboratory principles of biology with special emphasis on ecological and evolutionary biology.

Restricted to new freshmen and new transfer students in Biological Science or Neuroscience. (Sponsoring Dept.: BSCI). Students must pay a $40.00 laboratory materials fee.

6108	Hans Lemke, Michael Keller M 2:00pm - 4:50pm	Seats (Total: 24) HJP 3217	Lab
6207	Hans Lemke, Michael Keller Tu 2:00pm - 4:50pm	Seats (Total: 24) HJP 3211	Lab
6210	Hans Lemke, Michael Keller Tu 5:00pm - 7:50pm	Seats (Total: 24) HJP 3211	Lab
6308	Michael Keller, Hans Lemke W 2:00pm - 4:50pm	Seats (Total: 24) HJP 3217	Lab
6310	Michael Keller, Hans Lemke W 5:00pm - 7:50pm	Seats (Total: 24) HJP 3211	
6404	Michael Keller, Hans Lemke Th 11:00am - 1:50pm	Seats (Total: 24) HJP 3211	Lab
6407	Michael Keller, Hans Lemke Th 2:00pm - 4:50pm	Seats (Total: 24) HJP 3211	Lab

BSCI161S **Principles of Ecology and Evolution Lab**

Credits: 1 Grading Method: Regular

Prerequisite: Must have math eligibility of MATH120 or higher. Corequisite: BSCI160. Recommended: For Science majors.

Basic laboratory principles of biology with special emphasis on ecological and evolutionary biology.

Restricted to College Park Scholars - Life Sciences. (Sponsoring Dept.: BSCI). Students must pay a $40 laboratory materials fee.

6107	Michael Keller, Hans Lemke M 2:00pm - 4:50pm	Seats (Total: 24) HJP 3211	Lab
6208	Hans Lemke, Michael Keller Tu 2:00pm - 4:50pm	Seats (Total: 24) HJP 3217	Lab
6411	Michael Keller, Hans Lemke Th 5:00pm - 7:50pm	Seats (Total: 24) HJP 3217	Lab

BSCI170 **Principles of Molecular & Cellular Biology**

Credits: 3 Grading Method: Regular General Education: DSNL (if taken with BSCI171), DSNS

Prerequisite: Must have math eligibility of MATH120 or higher. Recommended: For Science majors. Credit only granted for: BSCI105 or BSCI170. Formerly: BSCI105.

Basic principles of biology with special emphasis on cellular and molecular biology.

(Sponsoring Dept.: BSCI).

0101	Swarna Mohan MWF 9:00am - 9:50am	Seats (Total: 158) ESJ 2208
0201	Cordelia Weiss MWF 2:00pm - 2:50pm	Seats (Total: 167) ESJ 0224
0301	Michael Keller MWF 12:00pm - 12:50pm	Seats (Total: 160) ESJ 2208
0401	Eric Haag TuTh 2:00pm - 3:15pm	Seats (Total: 158) ESJ 2208
FC01	Michael Keller MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection*	Seats (Total: 136) ESJ 2208

SEF1	James Sniezek Tu 6:00pm - 8:50pm	Seats (Total: 30) PLS 1130	
	Must be in the Science in the Evening (SIE) program.		

BSCI171 **Principles of Molecular & Cellular Biology Laboratory**

Credits: 1 Grading Method: Regular

Prerequisite: Must have math eligibility of MATH120 or higher. Corequisite: BSCI170. Recommended: For Science majors.

Basic laboratory principles of biology with special emphasis on cellular and molecular biology.

(Sponsoring Dept.: BSCI). Students must pay a $40.00 laboratory materials fee.

1021	Swarna Mohan M 11:00am - 1:50pm	Seats (Total: 24) HJP 1236	Lab
1022	Swarna Mohan M 11:00am - 1:50pm	Seats (Total: 24) HJP 1226	Lab
1031	Swarna Mohan M 2:00pm - 4:50pm	Seats (Total: 24) HJP 1236	Lab
1032	Swarna Mohan M 2:00pm - 4:50pm	Seats (Total: 24) HJP 1226	Lab
1033	Swarna Mohan M 2:00pm - 4:50pm	Seats (Total: 24) HJP 1235	Lab
1034	Swarna Mohan M 2:00pm - 4:50pm	Seats (Total: 24) HJP 1229	Lab
2021	Swarna Mohan Tu 11:00am - 1:50pm	Seats (Total: 24) HJP 1236	Lab
2022	Swarna Mohan Tu 11:00am - 1:50pm	Seats (Total: 24) HJP 1226	Lab
2023	Swarna Mohan Tu 11:00am - 1:50pm	Seats (Total: 24) HJP 1235	Lab
2031	Swarna Mohan Tu 2:00pm - 4:50pm	Seats (Total: 24) HJP 1236	Lab

2032	Swarna Mohan Tu 2:00pm - 4:50pm	Seats (Total: 24) HJP 1226	Lab
2033	Swarna Mohan Tu 2:00pm - 4:50pm	Seats (Total: 24) HJP 1235	Lab
3021	Swarna Mohan W 11:00am - 1:50pm	Seats (Total: 24) HJP 1236	Lab
3022	Swarna Mohan W 11:00am - 1:50pm	Seats (Total: 24) HJP 1226	Lab
3031	Swarna Mohan W 2:00pm - 4:50pm	Seats (Total: 24) HJP 1236	Lab
3032	Swarna Mohan W 2:00pm - 4:50pm	Seats (Total: 24) HJP 1226	Lab
3033	Swarna Mohan W 2:00pm - 4:50pm	Seats (Total: 24) HJP 1235	Lab
3041	Swarna Mohan W 6:00pm - 8:50pm	Seats (Total: 24) HJP 1236	Lab
3043	Swarna Mohan W 6:00pm - 8:50pm	Seats (Total: 24) HJP 1235	
4021	Swarna Mohan Th 11:00am - 1:50pm	Seats (Total: 24) HJP 1236	Lab
4022	Swarna Mohan Th 11:00am - 1:50pm	Seats (Total: 24) HJP 1226	Lab
4031	Swarna Mohan Th 2:00pm - 4:50pm	Seats (Total: 24) HJP 1236	Lab
4032	Swarna Mohan Th 2:00pm - 4:50pm	Seats (Total: 24) HJP 1226	Lab
4033	Swarna Mohan Th 2:00pm - 4:50pm	Seats (Total: 24) HJP 1235	Lab

4041	Swarna Mohan Th 6:00pm - 8:50pm	Seats (Total: 24) HJP 1236	Lab
4042	Swarna Mohan Th 6:00pm - 9:00pm	Seats (Total: 24) HJP 1226	Lab
FC1M	Swarna Mohan M 6:00pm - 8:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) HJP 1236	Lab
FC1N	Swarna Mohan M 6:00pm - 8:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) HJP 1226	Lab
FC3N	Swarna Mohan W 6:00pm - 8:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) HJP 1226	Lab
FC5A	Swarna Mohan Tu 6:00pm - 8:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) HJP 1236	Lab
FC5B	Swarna Mohan Tu 6:00pm - 8:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) HJP 1226	Lab
SEF1	Swarna Mohan Th 6:00pm - 8:50pm *Must be in the Science in the Evening (SIE) program.*	Seats (Total: 24) HJP 1235	Lab

BSCI201 **Human Anatomy and Physiology I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: Minimum grade of C- in BSCI170; or students who have taken courses with comparable content may contact the CMNS-Biology department.

Anatomy and physiology of the skeletal, muscular, neural, endocrine, and sensory systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry.

(Sponsoring Dept.: BIOL). Students must pay a $40 laboratory materials fee.

0101	Caitlin Fox, Maira Goytia MWF 12:00pm - 12:50pm M 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0102	Caitlin Fox, Maira Goytia MWF 12:00pm - 12:50pm M 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0103	Maira Goytia, Caitlin Fox MWF 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0104	Maira Goytia, Caitlin Fox MWF 12:00pm - 12:50pm Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0105	Maira Goytia, Caitlin Fox MWF 12:00pm - 12:50pm Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0106	Maira Goytia, Caitlin Fox MWF 12:00pm - 12:50pm W 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0107	Maira Goytia, Caitlin Fox MWF 12:00pm - 12:50pm W 7:00pm - 9:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0108	Caitlin Fox, Maira Goytia MWF 12:00pm - 12:50pm Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0109	Caitlin Fox, Maira Goytia MWF 12:00pm - 12:50pm M 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0275	 Lab
0110	Caitlin Fox, Maira Goytia MWF 12:00pm - 12:50pm M 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0275	 Lab

0112	Maira Goytia, Caitlin Fox MWF 12:00pm - 12:50pm Tu 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0275	Lab
1101	Caitlin Fox, Justicia Opoku-Edusei TuTh 12:30pm - 1:45pm M 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
1102	Caitlin Fox, Justicia Opoku-Edusei TuTh 12:30pm - 1:45pm M 7:00pm - 9:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
1103	Caitlin Fox, Justicia Opoku-Edusei TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
1104	Justicia Opoku-Edusei, Caitlin Fox TuTh 12:30pm - 1:45pm W 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
1105	Justicia Opoku-Edusei, Caitlin Fox TuTh 12:30pm - 1:45pm W 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
1106	Justicia Opoku-Edusei, Caitlin Fox TuTh 12:30pm - 1:45pm Th 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
1107	Justicia Opoku-Edusei, Caitlin Fox TuTh 12:30pm - 1:45pm Th 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
1109	Justicia Opoku-Edusei, Caitlin Fox TuTh 12:30pm - 1:45pm M 7:00pm - 9:50pm	Seats (Total: 24) BRB 1101 BPS 0275	Lab
1110	Justicia Opoku-Edusei, Caitlin Fox TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0275	Lab

SEF1	Caitlin Fox, Edward Orlando Tu 6:00pm - 8:50pm Th 6:00pm - 8:50pm *Must be in the Science in the Evening (SIE) program.*	Seats (Total: 19) ONLINE BPS 0205	 Lab

BSCI202 **Human Anatomy and Physiology II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI201; or students who have taken courses with comparable content may contact the CMNS-Biology department.

Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry.

(Sponsoring Dept.: BIOL). Students must pay a $40.00 laboratory materials fee.

0101	Caitlin Fox, Maira Goytia MWF 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0102	Maira Goytia, Caitlin Fox MWF 10:00am - 10:50am Tu 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0105	Caitlin Fox, Maira Goytia MWF 10:00am - 10:50am Tu 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0106	Caitlin Fox, Maira Goytia MWF 10:00am - 10:50am Tu 7:00pm - 9:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0109	Maira Goytia, Caitlin Fox MWF 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0110	Caitlin Fox, Maira Goytia MWF 10:00am - 10:50am W 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab

0112	Maira Goytia, Caitlin Fox MWF 10:00am - 10:50am Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
1101	Sara Lombardi, Caitlin Fox TuTh 9:30am - 10:45am M 5:00pm - 7:50pm	Seats (Total: 24) ESJ 0202 BPS 0201	 Lab
1102	Sara Lombardi, Caitlin Fox TuTh 9:30am - 10:45am M 2:00pm - 4:50pm	Seats (Total: 24) ESJ 0202 BPS 0201	 Lab
1103	Sara Lombardi, Caitlin Fox TuTh 9:30am - 10:45am Tu 4:00pm - 6:50pm	Seats (Total: 24) ESJ 0202 BPS 0201	 Lab
1105	Caitlin Fox, Sara Lombardi TuTh 9:30am - 10:45am W 11:00am - 1:50pm	Seats (Total: 24) ESJ 0202 BPS 0201	 Lab
1107	Caitlin Fox, Sara Lombardi TuTh 9:30am - 10:45am Th 2:00pm - 4:50pm	Seats (Total: 24) ESJ 0202 BPS 0201	 Lab
1108	Caitlin Fox, Sara Lombardi TuTh 9:30am - 10:45am Th 4:00pm - 6:50pm	Seats (Total: 24) ESJ 0202 BPS 0275	 Lab
1109	Sara Lombardi, Caitlin Fox TuTh 9:30am - 10:45am Th 5:00pm - 7:50pm	Seats (Total: 24) ESJ 0202 BPS 0201	 Lab

BSCI207 **Principles of Biology III - Organismal Biology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI160 and BSCI161; or BSCI106. And BSCI170 and BSCI171; or BSCI105. And must have completed or be concurrently enrolled in CHEM131.

The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories.

(Sponsoring Dept.: BSCI).

0101	Nicholas Fletcher MWF 9:00am - 9:50am	Seats (Total: 185) BRB 1101	
0201	Karen Carleton MWF 2:00pm - 2:50pm	Seats (Total: 153) ESJ 2204	
0301	Karen Carleton MWF 3:00pm - 3:50pm	Seats (Total: 153) ESJ 2204	

BSCI213 **The Public Microbe**

Credits: 3 | Grading Method: Regular, Audit | General Education: DSNS, SCIS

Credit only granted for: BSCI213 or BSCI223.

How are microbes essential for human health yet cause so much disease? This course covers basic concepts in microbiology as they relate to human- microbe interactions by surveying the diversity of microbial life, the role our resident microbiota play in human health, modes of disease tracking, and prophylactic and therapeutic measures designed to control the spread of infectious disease.

0101	Daniel Stein MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) TYD 1118 JMZ 3122	 Discussion
0102	Daniel Stein MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) TYD 1118 JMZ 3122	 Discussion

BSCI222 **Principles of Genetics**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI170 and BSCI171 or (BIOE120 and BIOE121); and CHEM131 and CHEM132; and either (BSCI160 and BSCI161) or (CHEM231 and CHEM232).

Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms.

Sponsoring Dept.: BSCI. Students must pay a $40.00 lab fee. Acceptable toward Neuroscience major MCP Track, but does not fulfill the Neuroscience Advanced Program Lab Requirement.

2121	Thomas Kocher MWF 1:00pm - 1:50pm W 10:00am - 11:50am	Seats (Total: 23) BRB 1101 HJP 3233	 Lab

2122	Thomas Kocher MWF 1:00pm - 1:50pm Th 4:00pm - 5:50pm	Seats (Total: 23) BRB 1101 HJP 3233	 Lab
2123	Thomas Kocher MWF 1:00pm - 1:50pm Th 4:00pm - 5:50pm	Seats (Total: 23) BRB 1101 PLS 1121	 Lab
2124	Thomas Kocher MWF 1:00pm - 1:50pm Tu 10:00am - 11:50am	Seats (Total: 23) BRB 1101 PLS 1121	 Lab
2125	Thomas Kocher MWF 1:00pm - 1:50pm Tu 4:00pm - 5:50pm	Seats (Total: 23) BRB 1101 HJP 3233	 Lab
2130	Thomas Kocher MWF 1:00pm - 1:50pm W 3:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3233	 Lab
2132	Thomas Kocher MWF 1:00pm - 1:50pm W 5:00pm - 6:50pm	Seats (Total: 23) BRB 1101 HJP 3233	 Lab
2141	Thomas Kocher MWF 1:00pm - 1:50pm Th 2:00pm - 3:50pm	Seats (Total: 23) BRB 1101 PLS 1121	 Lab
2142	Thomas Kocher MWF 1:00pm - 1:50pm Th 8:00am - 9:50am	Seats (Total: 23) BRB 1101 PLS 1121	 Lab
2211	Jessie Mutz TuTh 11:00am - 12:15pm Tu 8:00am - 9:50am	Seats (Total: 23) ESJ 0202 HJP 3233	 Lab
2215	Jessie Mutz TuTh 11:00am - 12:15pm Tu 2:00pm - 3:50pm	Seats (Total: 23) ESJ 0202 PLS 1121	 Lab

2221	Jessie Mutz TuTh 11:00am - 12:15pm Tu 4:00pm - 5:50pm	Seats (Total: 23) ESJ 0202 PLS 1121	 Lab
2231	Jessie Mutz TuTh 11:00am - 12:15pm Tu 6:00pm - 7:50pm	Seats (Total: 23) ESJ 0202 HJP 3233	 Lab
2251	Jessie Mutz TuTh 11:00am - 12:15pm W 12:00pm - 1:50pm	Seats (Total: 23) ESJ 0202 HJP 3233	 Lab
2261	Jessie Mutz TuTh 11:00am - 12:15pm W 6:00pm - 7:50pm	Seats (Total: 23) ESJ 0202 PLS 1121	 Lab
2264	Jessie Mutz TuTh 11:00am - 12:15pm Tu 2:00pm - 3:50pm	Seats (Total: 23) ESJ 0202 HJP 3233	 Lab
2265	Jessie Mutz TuTh 11:00am - 12:15pm W 8:00am - 9:50am	Seats (Total: 23) ESJ 0202 PLS 1121	 Lab
2267	Jessie Mutz TuTh 11:00am - 12:15pm W 8:00am - 9:50am	Seats (Total: 23) ESJ 0202 HJP 3233	 Lab

BSCI223 **General Microbiology**

Credits: 4	Grading Method: Regular, Pass-Fail, Audit	CORE: LL	General Education: DSNL, SCIS

Prerequisite: BSCI170 and BSCI171; or BSCI105. Credit only granted for: BSCI223 or BSCI283.

How have microorganisms exploited every conceivable ecological niche, and how have humans harnessed this diversity to improve medicine, agriculture, and biotechnology? The course covers fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry, and biotechnology.

(Sponsoring Dept.: CBMG). Students must pay a $40.00 laboratory materials fee.

1101	Erin Tran TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1201	 Lab

1106	Erin Tran TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1121	Erin Tran TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1126	Erin Tran TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1201	Erin Tran TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1205	Erin Tran TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1205	Lab
1206	Erin Tran TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1221	Erin Tran TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1225	Erin Tran TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1205	Lab
1301	Erin Tran TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1306	Erin Tran TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab

1321	Erin Tran TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1326	Erin Tran TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1401	Erin Tran TuTh 11:00am - 11:50am MW 4:00pm - 5:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1406	Erin Tran TuTh 11:00am - 11:50am MW 4:00pm - 5:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
2105	Erin Tran TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1205	Lab
2125	Erin Tran TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1205	Lab
2226	Erin Tran TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
SEF1	Cherisse Hall TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm *Must be in the Science in the Evening (SIE) program.*	Seats (Total: 20) ONLINE MCB 1201	Lab
SEF2	Cherisse Hall TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm *Must be in the Science in the Evening (SIE) program.*	Seats (Total: 20) ONLINE MCB 1206	Lab

BSCI238I **Special Topics in Biology Student Initiated Courses; Machine Learning for the Life Sciences**

Credits: 1 Grading Method: Regular, Pass-Fail

Student Initiated Course (STIC) in Biology. Course will be student initiated and taught under close supervision of faculty mentor. Student instructor and faculty mentor must generate proposal and have approval of the Biological Sciences Program to offer a BSCI238 STIC. BSCI238 cannot be applied to the degree requirements of any biological sciences major.

Prerequisites: C- or better BSCI170 and either MATH140 or MATH136 Introduces students to the fundamental principles of machine learning and its applications in biology and medicine. Students will learn about key machine learning techniques, including classification, regression, clustering, and deep learning, with a focus on practical applications like cancer diagnosis, gene expression analysis, and protein structure prediction. Through lectures and guided projects, students will gain an understanding of how to apply machine learning models to biological datasets, evaluate their performance, and interpret results. No prior programming or machine learning experience is required.

0101	Anushka Poddar, Aditri Gadigi	Seats (Total: 20)
	M 3:30pm - 4:20pm	SQH 1103

BSCI279 **Supplemental Study; Supplemental Study in Biology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

(Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI279P **Supplemental Study; Undergraduate Teaching Fellows Professional Development Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

Prerequisite: permission of department.

Contact department for information to register for this course.

BSCI279Q **Supplemental Study; Readings in Neurophysiology**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

(Sponsoring Dept.: BIOL).

0101	Ricardo Araneda, Daniel Butts	Seats (Total: 13)
	Contact instructor or department for details.	

BSCI279R **Supplemental Study; Undergraduate Research Rotation**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

(Sponsoring Dept.: CBMG).

Contact department for information to register for this course.

BSCI279T **Supplemental Study; BSCI Learning Assistants**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

Contact department for information to register for this course.

BSCI300 **Strategies for Success**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major in USG-Universities at Shady Grove; and must be in Biological Sciences: Physiology & Neurobiology program. Credit only granted for: BSCI300 or BSCI339R. Formerly: BSCI339R.

Students often face an increased emphasis on critical thinking, pressure from a typically higher credit hour load, and a faster pace of exposure to new material when moving from lower- to upper-level coursework. The Biological Sciences program designed this course to help all transfer students make successful transitions, both academically and socially, to the University of Maryland at Shady Grove.

ESG1	Tracy Odim	Seats (Total: 50)
	Th 11:00am - 12:00pm Class time/details on ELMs	BLD4 3321 ONLINE
	Registration is restricted to Biological Sciences - Shady Grove majors.	

BSCI329 **Instructional Assistance Practicum**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail

Students serve as instructional assistants in selected undergraduate biology courses. Roles and responsibilities are determined on a course- specific basis and approved by the College Undergraduate Program Committee.

Prerequiste: permission of department. (Sponsoring Dept.: BIOL). Credit cannot be applied to the requirements of any Biological Sciences Major.

1016	Hilary Bierman	Seats (Total: 10)
	Contact instructor or department for details.	

1028	Daniel Butts Contact instructor or department for details.	Seats (Total: 5)
1033	Chan Lin Contact instructor or department for details.	Seats (Total: 10)
1250	Justicia Opoku-Edusei Contact instructor or department for details.	Seats (Total: 20)
1388	Corine Van der Weele Contact instructor or department for details.	Seats (Total: 8)
ESG1	Hadiya Woodham Contact instructor or department for details. *Registration is restricted to Biological Sciences - Shady Grove majors.*	Seats (Total: 14)

BSCI330 **Cell Biology and Physiology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM131 and CHEM132. And minimum grade of C- in BSCI170 and BSCI171; or minimum grade of C- in BSCI105. Restriction: Must not have completed BSCI230. Credit only granted for: BSCI230 or BSCI330. Formerly: BSCI230.

Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment.

(Sponsoring Dept.: BIOL). Specialization Areas: PHNB, CEBG, MICB, ECEV, and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Corine Van der Weele, Kenneth Frauwirth MWF 2:00pm - 2:50pm M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0102	Kenneth Frauwirth, Corine Van der Weele MWF 2:00pm - 2:50pm M 3:00pm - 5:50pm	Seats (Total: 22) BRB 1101 BPS 0207	 Lab
0104	Corine Van der Weele, Kenneth Frauwirth MWF 2:00pm - 2:50pm Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab

0105	Corine Van der Weele, Kenneth Frauwirth MWF 2:00pm - 2:50pm W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0108	Corine Van der Weele, Kenneth Frauwirth MWF 2:00pm - 2:50pm Th 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0109	Kenneth Frauwirth, Corine Van der Weele MWF 2:00pm - 2:50pm Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0111	Kenneth Frauwirth, Corine Van der Weele MWF 2:00pm - 2:50pm M 6:00pm - 8:50pm	Seats (Total: 22) BRB 1101 BPS 0207	 Lab
0112	Corine Van der Weele, Kenneth Frauwirth MWF 2:00pm - 2:50pm Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0114	Kenneth Frauwirth, Corine Van der Weele MWF 2:00pm - 2:50pm Th 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab
0116	Corine Van der Weele, Kenneth Frauwirth MWF 2:00pm - 2:50pm Tu 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 BPS 0207	 Lab
1101	Kenneth Frauwirth, Corine Van der Weele TuTh 2:00pm - 3:15pm M 11:00am - 1:50pm	Seats (Total: 24) ESJ 0224 BPS 0213	 Lab
1102	Corine Van der Weele, Kenneth Frauwirth TuTh 2:00pm - 3:15pm M 2:00pm - 4:50pm	Seats (Total: 24) ESJ 0224 BPS 0213	 Lab
1103	Corine Van der Weele, Kenneth Frauwirth TuTh 2:00pm - 3:15pm Tu 8:30am - 11:20am	Seats (Total: 24) ESJ 0224 BPS 0213	 Lab

1104	Corine Van der Weele, Kenneth Frauwirth TuTh 2:00pm - 3:15pm Th 11:00am - 1:50pm	Seats (Total: 24) ESJ 0224 BPS 0213	 Lab
1105	Kenneth Frauwirth, Corine Van der Weele TuTh 2:00pm - 3:15pm W 11:00am - 1:50pm	Seats (Total: 24) ESJ 0224 BPS 0213	 Lab
1106	Corine Van der Weele, Kenneth Frauwirth TuTh 2:00pm - 3:15pm W 2:00pm - 4:50pm	Seats (Total: 23) ESJ 0224 BPS 0213	 Lab
1107	Corine Van der Weele, Kenneth Frauwirth TuTh 2:00pm - 3:15pm M 6:00pm - 8:50pm	Seats (Total: 24) ESJ 0224 BPS 0213	 Lab
1108	Kenneth Frauwirth, Corine Van der Weele TuTh 2:00pm - 3:15pm Th 6:00pm - 8:50pm	Seats (Total: 23) ESJ 0224 BPS 0213	 Lab
1109	Corine Van der Weele, Kenneth Frauwirth TuTh 2:00pm - 3:15pm Tu 6:00pm - 8:50pm	Seats (Total: 24) ESJ 0224 BPS 0213	 Lab
1110	Kenneth Frauwirth, Corine Van der Weele TuTh 2:00pm - 3:15pm W 6:00pm - 8:50pm	Seats (Total: 23) ESJ 0224 BPS 0207	 Lab
ESG1	Hadiya Woodham, Heather Tienson-Tseng Tu 12:15pm - 1:30pm Class time/details on ELMs Tu 2:00pm - 5:00pm *Registration is restricted to Biological Sciences-Shady Grove majors.*	Seats (Total: 16) BLD4 4321 ONLINE BLD4 3322	 Lab
ESG2	Hadiya Woodham, Heather Tienson-Tseng Tu 12:15pm - 1:30pm Class time/details on ELMs W 2:00pm - 5:00pm *Registration is restricted to Biological Sciences-Shady Grove majors.*	Seats (Total: 12) BLD4 4321 ONLINE BLD4 3322	 Lab

SEF1	Corine Van der Weele, Elizabeth Read-Connole Class time/details on ELMs Th 6:00pm - 8:50pm *Must be in the Science in the Evening (SIE) program.*	Seats (Total: 19) ONLINE BPS 0207	Lab

BSCI330H **Cell Biology and Physiology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM131 and CHEM132. And minimum grade of C- in BSCI170 and BSCI171; or minimum grade of C- in BSCI105. Restriction: Must not have completed BSCI230. Credit only granted for: BSCI230 or BSCI330. Formerly: BSCI230.

Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment.

(Sponsoring Dept.: BIOL). Specialization Areas: PHNB, CEBG, MICB, ECEV and GENB. Restricted to students in the Integrated Life Science Honors program or permission of the instructor. Students must pay a $40.00 laboratory materials fee.

0101	Sabrina Kramer, Corine Van der Weele MWF 11:00am - 11:50am Tu 2:00pm - 4:50pm	Seats (Total: 24) TWS 0310 BPS 0213	Lab
0102	Corine Van der Weele, Sabrina Kramer MWF 11:00am - 11:50am W 2:00pm - 4:50pm	Seats (Total: 24) TWS 0310 BPS 0207	Lab
0103	Sabrina Kramer, Corine Van der Weele MWF 11:00am - 11:50am W 6:00pm - 8:50pm	Seats (Total: 24) TWS 0310 BPS 0213	Lab

BSCI338A **Special Topics in Biology; Cell Biology and Physiology Lectures**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

PDS1	Elizabeth Read-Connole Tu 6:00pm - 8:50pm	Seats (Total: 20) ONLINE	

BSCI338D **Special Topics in Biology; Complexity of Cancer**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

(Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI338I **Special Topics in Biology; Medical Biotechnology & Drug Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

(Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI338J **Special Topics in Biology; Medical Exploration of HIV/AIDS**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

(Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI338M **Special Topics in Biology; Human Health and Disease: A Clinical Approach**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

(Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI338Z **Special Topics in Biology; Field Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

(Sponsoring Dept: BIOL). Cannot be used as credit toward the major requirements for any Biological Sciences major. Contact the Biology Department Undergraduate Office for course information.

Contact department for information to register for this course.

BSCI339C **Selected Topics in Biology; Cell Biology Lab**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, and other selected instruction courses in various biological subject matter.

Prerequisites: BSCI420. Credit will be granted for BSCI339C or BSCI421. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB. Students must pay a $40.00 laboratory materials fee.

Contact department for information to register for this course.

BSCI339Z **Selected Topics in Biology; Cell Death and Cancer Research Seminar**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, and other selected instruction courses in various biological subject matter.

Credit cannot be applied to the requirements of any Biological Sciences Major.

ESG1	Hadiya Woodham	Seats (Total: 12)
	Th 2:00pm - 5:00pm	BLD4 3322
	Registration is restricted to Biological Sciences - Shady Grove majors.	

BSCI348 **Special Topics in Cell Biology and Molecular Genetics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI348 may be applied to the BSCI major.

(Sponsoring Dept.: CBMG). May be repeated, but only 3 credits may be applied to major requirements.

Contact department for information to register for this course.

BSCI348A **Special Topics in Cell Biology and Molecular Genetics; Microbiology Undergraduate Teaching Practicum**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI348 may be applied to the BSCI major.

(Sponsoring Dept.: CBMG). Students will act as Undergraduate Teaching Assistants for BSCI223. Prerequisite: A or B in BSCI223 and permission of instructor. Students must be available for one of the BSCI223 lab periods. Students interested in this teaching/leadership opportunity should contact Dr. John Buchner for application information: This course is applicable for the Enrichment credits required of all Biological Sciences students in majors with 0404 codes. For others this is elective credit. Formerly: BSCI348U.

0101	John Buchner	Seats (Total: 25)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI348 may be applied to the BSCI major.

(Sponsoring Dept.: CBMG). This course is an opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course.

0101	John Buchner	Seats (Total: 8)
	Contact instructor or department for details.	

BSCI349 **Biological Sciences Research Internship**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Technical biological sciences research conducted in an off-campus laboratory.

By permissions only and restricted to Biological Sciences majors. Can be applied to Biological Sciences enrichment category in PHNB, CEBG, ECEV, MICB and the additional credits category of GENB. An opportunity for Biological Sciences students to pursue a research project in an off-campus lab. To register, send an email to: BSCIque@umd.edu or contact the instructors of the course directly.

WB01	Kimberly Paczolt	Seats (Total: 5)
	Contact instructor or department for details.	
WB02	David Hawthorne	Seats (Total: 5)
	Contact instructor or department for details.	

BSCI353 **Cellular and Molecular Neuroscience**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from NEUR200, BSCI207 or BSCI330. Corequisite: Must have completed or be concurrently enrolled in PHYS132 or equivalent course. Cross-listed with: NEUR306. Credit only granted for: NEUR306 or BSCI353.

Students will gain an appreciation of neuroscience as the nexus of chemistry, physics, and biology. Additionally, they will gain an understanding of how: both individual and networks of neurons function as variable electrical circuits; our nervous systems transduce signals from the outside world and sets-off molecular cascades; the behavior of a neuron can be changed and or remain the same in response to changing variables. Techniques used to study the nervous system at a cellular and molecular level will be discussed.

(Sponsoring Dept.: BIOL). Acceptable toward Bilogical Sciences Specialization Areas: CEBG (Cell Biology), Development, Physiology), and PHNB.

0101	Chan Lin	Seats (Total: 100)
	MWF 9:00am - 9:50am	BPS 1250

0102	Daniel Butts	Seats (Total: 100)	
	TuTh 12:30pm - 1:45pm	ESJ 0224	

BSCI358C **Special Topics in Biological Sciences at Shady Grove; Bioethics of Biotechnology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Elective credit designed to allow undergraduate students to partake in focused academic experiences, to gain exposure to emerging issues, or to learn specialized content not represented in the main curriculum.

ESG1	Emmanuel Kornyo	Seats (Total: 40)	
	F 1:00pm - 2:15pm	BLD4 4321	
	Class time/details on ELMs	ONLINE	
	Registration is restricted to Biological Sciences - Shady Grove majors.		

BSCI359 **Biological Sciences Teaching Practicum**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Students are provided with academic credit for their hands-on experience as independent classroom teaching assistants. Students will demonstrate their subject mastery and expand their communication, leadership, and teaching skills.

0101	Kimberly Paczolt	Seats (Total: 5)	
	Class time/details on ELMs	ONLINE	

BSCI360 **Principles of Animal Behavior**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI160 and BSCI161; or BSCI106. And BSCI170 and BSCI171; or BSCI105. And BSCI222.

Study of animal behavior with emphasis on its evolution and function. Topics include genetic basis of behavior, communication, aggression, foraging, cooperation, mate selection, and relevance for conservation.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences specialization areas: ECEV, GENB, and PHNB.

0103	Gerald Wilkinson	Seats (Total: 20)	
	MW 11:00am - 11:50am	ESJ 0215	
	F 11:00am - 11:50am	BPS 1234	Discussion

BSCI361 **Principles of Ecology**

Credits: 4

Grading Method: Regular, Pass-Fail

Prerequisite: BSCI160 and BSCI161; or BSCI106. And (MATH130, MATH136, or MATH140).

Basic principles of population, community, and ecosystem ecology. Use of these principles to predict possible consequences of human-caused changes in the environment and to understand the level of uncertainty of those predictions.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: ECEV and GENB.

0101	Samuel Hulse TuTh 11:00am - 12:15pm W 2:00pm - 2:50pm	Seats (Total: 25) PLS 1140 PLS 1119	 Discussion
0103	Samuel Hulse TuTh 11:00am - 12:15pm W 4:00pm - 4:50pm	Seats (Total: 25) PLS 1140 PLS 1119	 Discussion

BSCI363 **The Biology of Conservation and Extinction**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI361.

Ecology, evolutionary biology, and paleontology will be applied to the study of conservation, species invasions, and extinction.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: ECEV and GENB (Ecology, Behavior & Organismal).

0101	Isabel Sanchez Viruet MWF 11:00am - 11:50am	Seats (Total: 35) BPS 1238	

BSCI366 **Environmental Physiology of Animals**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI207.

Explores the physiological, morphological, ecological, and behavioral adaptations of aquatic and terrestrial animals that help them manage environmental challenges. The course considers both diverse adaptations among animal lineages and striking convergence among different animal lineages and systems, as well as the physical laws that drive this convergence. Impacts of climate change on the physiology and ecology of animals are highlighted across the course.

0101	Leo Shapiro	Seats (Total: 22)	
	MWF 2:00pm - 2:50pm	PLS 1146	

BSCI370 **Principles of Evolution**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI160, BSCI161, and BSCI222 .

Understanding evolutionary processes in a natural and human environment, including adaptation; DNA sequence, protein, and genome evolution; evolution of developmental mechanisms; mechanisms of evolutionary change (mutation, natural selection, drift); epidemiology; coevolution and biological control; speciation; comparative methods; extinction and conservation; human evolution.

(Sponsoring Dept.: BIOL) Applies to Biological Sciences Specialization Areas: PHNB, GENB, and ECEV.

0101	Carlos Machado	Seats (Total: 100)	
	TuTh 9:30am - 10:45am	PLS 1140	

BSCI374 **Mathematical Modeling in Biology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH131, MATH136, or MATH141. Cross-listed with: HLSC374. Credit only granted for: BSCI374, BSCI474, or HLSC374. Formerly: BSCI474. Additional information: The HLSC374 version of this course is restricted to students in the Honors College Integrated Life Sciences program.

Students will learn empowering mathematical techniques through the understanding of biological models. Models are chosen from a variety of biological disciplines. Mathematical skills that will be developed along the way include: solving non-linear difference equations, eigenvector analysis, and the implementation of these algorithms as computer models.

(Sponsoring Dept.: BIOL) Applies as an upper-level laboratory course to Biological Sciences Specialization Areas: CEBG, ECEV, GENB, and PHNB. Students must pay a $40.00 laboratory materials fee.

0101	Jonathan Simon	Seats (Total: 21)	
	TuTh 9:30am - 10:45am	JMP 1202	
	M 1:00pm - 3:50pm	JMP 1202	Lab

BSCI378H **Cell Biology and Molecular Genetics Department Honors Seminar**

(Perm req)

Credits: 1 Grading Method: Regular

Required seminar for all students participating in departmental honors research program.

(Sponsoring Dept.: CBMG). Restricted to students participating in the CBMG Departmental Honors Program. If you are interested in a CBMG Departmental Honors Research experience, please see the CBMG department web site for detailed information.

Click here for more course information.

0101	Louisa Wu	Seats (Total: 19)
	F 2:00pm - 2:50pm	BRB 3101

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a faculty member of the department.

Prequisite: permission of department. See CBMG department Undergraduate office. (Sponsoring Dept: CBMG).

Contact department for information to register for this course.

BSCI379H **Cell Biology and Molecular Genetics Department Honors Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Student should consult program guidelines. Research project carried out under guidance of faculty advisor.

Corequisite: BSCI378H. Restricted to students participating in the CBMG Departmental Honors Program. (Sponsoring Dept.: CBMG).

Click here for more course information.

Contact department for information to register for this course.

BSCI379L **Cell Biology and Molecular Genetics Department Research; Lab Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a faculty member of the department.

Any combination of 3 credits of BSCI379G, BSCI379L, and BSCI379H can be used to satisfy the enrichment requirement in CEBG, ECEV, MICB, or PHNB or an upper-level elective in GENB. Students must have successfully completed at least one semester in a Cell Biology & Molecular Genetics department research lab before getting permission to take BSCI379L in the same lab. Students completing at least 4 credits of laboratory research including at least one semester taking BSCI379L may substitute this experience for one of the two upper-level laboratory courses required to complete any BSCI major.

Contact department for information to register for this course.

BSCI381 **Molecular Neuroethology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI222; and minimum grade of C- in BSCI353 or NEUR306. Credit only granted for: BSCI339W, BSCI381, or BIOL709W. Formerly: BSCI339W.

The brain generates a tremendous variety of behaviors, but how it achieves these feats remains largely unknown. Genetics and molecular tools yield fundamental insights into how the brain senses its environment and determines an appropriate course of action. This course will describe modern genetic manipulations (eg, CRISPR editing) and neuronal interventions (e. g., optogenetics), and discuss the quantification of behavioral outputs. Course consists of lectures plus readings and group discussions of primary scientific literature.

(Sponsoring Dept.: BIOL). Acceptable towards Biological Sciences Specialization Areas: GENB (Genetics & Evolution), CEBG, and PHNB.

0101	Scott Juntti	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	BPS 0283

BSCI389 **Entomology Department Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Credit to be determined by the department. A maximum of 8 credits of any version of BSCI389 can be applied to one or more undergraduate degrees. Any research credits completed beyond the first 8 will be included in the total earned credits and factored into the GPA but not applied to any undergraduate degree.

(Sponsoring Dept.: ENTM).

Contact department for information to register for this course.

BSCI389H **Entomology Department Research; Honors Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Credit to be determined by the department. A maximum of 8 credits of any version of BSCI389 can be applied to one or more undergraduate degrees. Any research credits completed beyond the first 8 will be included in the total earned credits and factored into the GPA but not applied to any undergraduate degree.

(Sponsoring Dept.: ENTM).

Contact department for information to register for this course.

BSCI389L **Entomology Department Research; Lab Research**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Credit to be determined by the department. A maximum of 8 credits of any version of BSCI389 can be applied to one or more undergraduate degrees. Any research credits completed beyond the first 8 will be included in the total earned credits and factored into the GPA but not applied to any undergraduate degree.

Contact department for information to register for this course.

BSCI398H **Biology Department Honors Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Required seminar for all students participating in departmental honors research program.

(Sponsoring Dept. :BIOL).

0101	Alexandra Bely	Seats (Total: 35)
	M 4:00pm - 4:50pm	BPS 1208

BSCI399 **Biology Department Research; Biology Department Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Research and/or integrated reading in biology under the direction and close supervision of a member of the faculty.

(Sponsoring Dept: BIOL)

Contact department for information to register for this course.

BSCI399H **Biology Department Honors Research**

(Perm req)

Credits: 1-2 Grading Method: Regular

A laboratory research problem; required each semester during honors participation and culminating in an honors thesis.

(Sponsoring Dept: BIOL).

Contact department for information to register for this course.

BSCI399L **Biology Department Research; Biology Lab Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Research and/or integrated reading in biology under the direction and close supervision of a member of the faculty.

Contact department for information to register for this course.

BSCI400 **Animal Diversity and Evolution**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI160 and BSCI207.

Focuses on deep-level diversity of animals and their evolutionary relationships, unique and repeated transitions in the course of animal evolution, and the evolutionary mechanisms that have shaped and continue to shape animal diversity. The course takes an integrative organismal approach to understanding animal evolution, considering morphology, development, physiology, life history, and ecology. It also explores how patterns of animal diversity have changed through time and the processes affecting animal diversity in our changing world.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: ECEV and GENB (Ecology, Behavioral & Organismal category).

0101	Alexandra Bely	Seats (Total: 35)
	MWF 10:00am - 10:50am	BPS 1236

BSCI404 **Cell Biology from a Biophysical Perspective**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI330. Recommended: PHYS121 and PHYS122; or completion of PHYS131 and PHYS132 recommended. Jointly offered with BIOL704, BIPH704. Credit only granted for: BSCI338O, BSCI404, BIOL704, BIOL708O, or BIPH704. Formerly: BSCI338O.

An approach to cell biology by focusing on mechanisms and unifying physical paradigms. It will not assume a great deal of factual biological knowledge, but will expect a background that prepares students to think mechanistically and quantitatively.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: CEBG (Cell Biology), GENB (Cell Biology, Development, Physiology), and PHNB.

0101	Sergei Sukharev	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	PLS 1113

BSCI405 **Population and Evolutionary Genetics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI222; and 1 course with a minimum grade of C- from (MATH131, MATH136, MATH141). Jointly offered w ith BIOL709. Credit only granted for: BSCI405, BSCI339J, or BIOL709C. Formerly: BSCI339J.

Genetic variation within a population provides the basis for future evolution as well as a record of past evolution. The genomics revolution provides data on this variation that, together with mathematical models, allow us to read this record to reconstruct evolutionary trajectories. Examples will focus on hominin and pathogen evolution. In the lab, students will use models to explore how genetic variation (allele frequencies) changes over time and space.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: CEBG (Genetics), ECEV, and GENB (Genetics & Evolution). Students must pay a $40.00 laboratory materials fee.

0101	Philip Johnson MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 27) ESJ B0320 ESJ 2309	 Lab

BSCI410 Molecular Genetics

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI222. And must have completed CHEM233; or (CHEM231 and CHEM232).

An advanced genetics course emphasizing the molecular basis of gene structure and function in the context of modern approaches to the genetics of humans and model organisms.

(Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences specialization areas: PHNB, CEBG, GENB and ECEV.

0101	Louisa Wu TuTh 11:00am - 12:15pm	Seats (Total: 140) BPS 1250	

BSCI411 Bioinformatics and Integrated Genomics

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI222. Recommended: BSCI410. Credit only granted for: BSCI380 or BSCI411. Formerly: BSCI380.

Computational methods for the study of biological data. Pairwise and multiple sequence alignment, genome assembly and annotation, RNAseq analysis, and structural bioinformatics. Introduction to UNIX, Python, and R in the context of biological sequence data. Previous computational experience is not necessary.

(Sponsoring Dept.: CBMG). Acceptable to Biological Specialization Areas: CEBG, MICB, and GENB. Studets must pay a $40.00 Laboratory Materials fee.

0101	Brian Pierce, Brantley Hall MWF 10:00am - 10:50am W 11:00am - 12:50pm	Seats (Total: 42) MCB 1207 HJP 2242	 Lab
0102	Brian Pierce, Brantley Hall MWF 10:00am - 10:50am F 3:00pm - 4:50pm	Seats (Total: 28) MCB 1207 PLS 1129	 Lab

BSCI411H Bioinformatics and Integrated Genomics

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI222. Recommended: BSCI410. Credit only granted for: BSCI380 or BSCI411. Formerly: BSCI380.

Computational methods for the study of biological data. Pairwise and multiple sequence alignment, genome assembly and annotation, RNAseq analysis, and structural bioinformatics. Introduction to UNIX, Python, and R in the context of biological sequence data. Previous computational experience is not necessary.

(Sponsoring Dept.: CBMG). Acceptable to Biological Specialization Areas: CEBG, MICB, and GENB. Studets must pay a $40.00 Laboratory Materials fee.

0101	Brian Pierce, Brantley Hall MWF 10:00am - 10:50am W 11:00am - 12:50pm	Seats (Total: 42) MCB 1207 HJP 2242	 Lab
0102	Brian Pierce, Brantley Hall MWF 10:00am - 10:50am F 3:00pm - 4:50pm	Seats (Total: 28) MCB 1207 PLS 1129	 Lab

BSCI414 **Recombinant DNA Laboratory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI222.

An advanced course offering hands-on experience in performing recombinant DNA experiments. All current molecular biology techniques used for cloning prokaryotic genes, analyzing the gene products, and modifying the genes will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory.

(Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, MICB, CEBG and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Norberto Gonzalez- Juarbe TuTh 2:00pm - 5:00pm	Seats (Total: 18) MCB 1135	 Lab

BSCI416 **Human Genetics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: Minimum grade of C- in BSCI410. Recommended: BSCI330.

Approaches to human genetics and applications to biology and medicine focusing on specific human genetic topics using primary research papers as the main resource.

(Sponsoring Dept.: CBMG).

Contact department for information to register for this course.

BSCI420 **Cell Biology Lectures**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI330, BSCI222, CHEM231, and CHEM232. Credit only granted for: BSCI420 or BSCI421.

Molecular and biochemical bases of cellular organization and function in eukaryotes.

(Sponsoring Dept: CBMG). Specialization Areas: PHNB, CEBG, and GENB. Cross-listed with CBMG688C. Credit only granted for BSCI420 or CBMG688C.

0101	Ji Choi, Norma Andrews	Seats (Total: 70)
	TuTh 12:30pm - 1:45pm	MCB 1207

BSCI422 **Principles of Immunology**

Credits: 3 Grading Method: Regular

Prerequisite: BSCI222. Recommended: BSCI330; and (BSCI223 or BSCI283). Restriction: Junior standing or higher.

The immune system in health and disease. Presentation and analysis of the cellular and molecular processes that comprise the immune system.

ESG1	Gregory Simon	Seats (Total: 50)
	Tu 11:00am - 12:15pm	ONLINE
	Class time/details on ELMs	ONLINE
	Registration is restricted to Biological Sciences-Shady Grove majors.	
PDS1	Sandra Fox-Moon	Seats (Total: 12)
	W 6:00pm - 8:50pm	ONLINE
	Must be in the Science in the Evening (SIE) program.	

BSCI424 **Pathogenic Microbiology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI223 or BSCI283.

The role of bacteria and fungi in the diseases of humans with emphasis upon the differentiation and culture of microorganisms, types of disease, modes of disease transmission, prophylactic, therapeutic, and epidemiological aspects.

(Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: MICB and GENB (Category 2). Students must pay a $40.00 laboratory materials fee.

0101	Volker Briken TuTh 11:00am - 11:50am MW 11:00am - 12:50pm	Seats (Total: 18) BPS 0283 MCB 1143	 Lab
0102	Volker Briken TuTh 11:00am - 11:50am MW 1:00pm - 2:50pm	Seats (Total: 18) BPS 0283 MCB 1143	 Lab

BSCI430 **Developmental Biology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI222 and BSCI330.

Structural, functional and regulatory events and mechanisms that operate during development to produce an integrated, multicellular organism composed of a multitude of differentiated cell types.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: CEBG(Cell Biology), ECEV, GENB (Cell Biology, Development, Physiology) and PHNB.

0101	William Jeffery TuTh 2:00pm - 3:15pm	Seats (Total: 35) PLS 1130

BSCI431 **The Origin and Evolution of Nervous Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in NEUR200 or BSCI207.

Explore how brains change through evolution along the animal tree of life. By comparing the nervous system structure and development across the animal kingdom, this course aims to reveal common designs and mechanisms that generate behavior, and to inform our understanding of how biology builds minds. Topics include the origins of neurons, the universal molecular patterning of brain development across invertebrates and vertebrates, the evolution of neurotransmission, comparative mechanisms of learning and memory, and what in our brain makes us human.

0101	Chan Lin TuTh 2:00pm - 3:15pm	Seats (Total: 35) BPS 1236

BSCI432 **Systems View of Cell Biology**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: BSCI330.

An integrated understanding of cell biology based upon reading of literature, discussion of new findings, and quantitative simulations. Exploration of ten topics including Heredity, Curing Diseases, and Synthesizing Life.

(Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: CEBG (Cell Biology) and GENB (Cell Biology).

0101	Antony Jose	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	ESJ B0320

BSCI437 **General Virology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI222; or permission of CMNS-Biological Sciences UG Program. Restriction: Junior standing or higher.

Discussion of the physical and chemical nature of viruses, virus cultivation and assay methods, virus replication, viral diseases with emphasis on the oncogenic viruses, viral genetics, and characteristics of the major virus groups.

(Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: GENB, MICB and CEBG.

0101	Margaret Scull	Seats (Total: 80)
	MWF 11:00am - 11:50am	MCB 1207

BSCI439E **Undergraduate Advanced Selected Topics in Biology; Tissue Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses, and other special instruction in various biological subjects.

A review of the fundamental principles involved in the design of engineered tissues and organs. Both biological and engineering fundamentals will be considered. Applicable to BSCI area credits of PHNB and CEBG, enrichment for ECEV and MICB, and the Cell Biology, Development, Physiology category of GENB. Shared with BIOE411. Credit only granted for BSCI439E or BIOE411. Only one course of the following can be applied to a BSCI degree BSCI439E, BSCI439F, BSCI439I, BSCI439J, BSCI439K.

0101	Beatrice Kondo	Seats (Total: 5)
	MWF 1:00pm - 1:50pm	AJC 2134

BSCI439I **Undergraduate Advanced Selected Topics in Biology; Therapeutic Development and Delivery**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses, and other special instruction in various biological subjects.

The ultimate purpose of the pharmaceutical and biotechnology industries is the development and delivery of therapeutics. This course covers fundamentals of engineering and the pharmaceutical sciences related to therapeutics, including basic pharmaceutics/drug delivery, pharmacokinetics, biomolecular kinetics, and regulatory issues. Specific focus is placed on biotherapeutics, including antibodies and protein engineering,RNA and DNA therapeutics (gene therapy and RNAi), extracellular vesicle biotechnology (exosomes), and cell-based therapies, including stem cells. The use of delivery technologies to enable therapeutics (e.g. nanomedicine) will also be discussed. Applicable to BSCI area credits of PHNB and CEBG, enrichment for ECEV and MICB, and the Cell Biology, Development, Physiology category of GENB. Shared with BIOE462. Credit only granted for BSCI439I or BIOE462. Only one course of the following can be applied to a BSCI degree BSCI439E, BSCI439F, BSCI439I, BSCI439J, BSCI439K.

0101	Steven Jay	Seats (Total: 5)
	TuTh 11:00am - 12:15pm	AJC 2134

BSCI439J **Undergraduate Advanced Selected Topics in Biology; Synthetic Biology and Biological Engineering**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses, and other special instruction in various biological subjects.

Students are introduce to the scientific foundation and concepts of synthetic biology and biological engineering. Current examples that apply synthetic biology to fundamental and practical challenges will be emphasized. The course will also address the societal issues of synthetic biology, and briefly examine interests to regulate research in this area. Applicable to BSCI area credits of PHNB and CEBG, enrichment for ECEV and MICB, and the Cell Biology, Development, Physiology category of GENB. Shared with BIOE461. Credit only granted for BSCI439J or BIOE461. Only one course of the following can be applied to a BSCI degree BSCI439E, BSCI439F, BSCI439I, BSCI439J, BSCI439K.

0101	Sara Molinari	Seats (Total: 5)
	TuTh 2:00pm - 3:15pm	AJC 2134

BSCI443 **Microbial Physiology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI223 or BSCI283; and minimum grade of C- in BCHM461 or BCHM462.

Microbial cellular and population growth. Fermentation metabolism, physiology of anaerobiosis, and energy conservation and transformation in bacterial membranes. Efficiency of energy utilization for growth. Membrane structure and transport. Bacterial motility and chemotaxis. Regulation of bacterial chromosome replication, RNA and protein synthesis. Control of metabolic pathways. Bacterial stress responses. Antimicrobials.

(Sponsoring Dept.: CBMG).

0101	Jiqiang Ling TuTh 9:30am - 10:45am	Seats (Total: 50) BPS 1236

BSCI447 **General Endocrinology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI330, CHEM241, and CHEM242.

Functions and dysfunctions of the endocrine system with special reference to mammals.

(Sponsoring DEPT.: BIOL). Specialization Areas: PHNB and GENB.

0101	Justicia Opoku-Edusei TuTh 9:30am - 10:45am	Seats (Total: 75) BPS 1243

BSCI450 **Mammalian Systems Physiology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI330; and minimum grade of C- in CHEM233 or both CHEM231 and CHEM232. Credit only granted for: BIOE340, BSCI440, or BSCI450.

A study of the cardiovascular, hemopoietic, gastrointestinal, renal, and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: GENB and PHNB.

0101	Colenso Speer MWF 10:00am - 10:50am	Seats (Total: 130) ESJ 1224
ESG1	Vitaly Stepensky MW 9:30am - 10:45am *Registration is restricted to Biological Sciences-Shady Grove majors.*	Seats (Total: 50) BLD4 4335

BSCI451 **Mammalian Systems Physiology Laboratory**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed with a minimum of C- or be concurrently enrolled in either BSCI440 or BSCI450. Credit only granted for: BSCI441 or BSCI451. Formerly: BSCI441.

Laboratory exercises in experimental mammalian physiology.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: GENB and PHNB. Students must pay a $40.00 $40.00 laboratory materials fee.

0101	Corine Van der Weele M 12:00pm - 12:50pm M 3:00pm - 6:50pm	Seats (Total: 20) BPS 1243 PLS 1181	Lab
0102	Corine Van der Weele M 12:00pm - 12:50pm Tu 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	Lab
0103	Corine Van der Weele M 12:00pm - 12:50pm W 3:00pm - 6:50pm	Seats (Total: 20) BPS 1243 PLS 1181	Lab
0104	Corine Van der Weele M 12:00pm - 12:50pm Th 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	Lab

BSCI452 **Diseases of the Nervous System**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI330; and must have completed with a minimum of C- or be concurrently enrolled in either BSCI353 or NEUR306. Credit only granted for: BSCI452, BIOL708E, or NACS728N.

An advanced course covering the neuroanatomy, function, and organization of the nervous system and its implication for pathology and disease.

PDS1	Chan Lin F 6:00pm - 8:50pm *Must be in the Science in the Evening (SIE) program.*	Seats (Total: 25) ONLINE

BSCI455 **Neuroscience Laboratory**

Credits: 3 Grading Method: Regular General Education: DSSP

Prerequisite: NEUR306 or BSCI353; and PHYS132. Recommended: NEUR305. Cross-listed with: NEUR405. Credit only granted for: PSYC401, NEUR405, BSCI455 or BSCI454.

Students will utilize neurophysiological techniques to examine fundamental principles of neurons and neural circuits. This course will reinforce content from prerequisite NEUR courses. Students will also strengthen skills in experimental design and scientific writing.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: CEBG (Cell Biology), GENB (Cell Biology, Development, Physiology), and PHNB. Students must pay a $40.00 laboratory materials fee.

0102	Hilary Bierman M 11:00am - 12:50pm Tu 2:00pm - 6:00pm	Seats (Total: 20) ESJ 2212 BPS 0257	 Lab
0103	Hilary Bierman M 11:00am - 12:50pm W 1:00pm - 5:00pm	Seats (Total: 20) ESJ 2212 BPS 0257	 Lab

BSCI464 **Microbial Ecology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: CS

Prerequisite: BSCI223 or BSCI283; and (CHEM271 or CHEM277); or permission of the instructor.

Interaction of microorganisms with the environment, other microorganisms and with higher organisms. Roles of microorganisms in the biosphere. Microorganisms and current environmental problems.

(Sponsoring Dept: CBMG).

0101	Charles Delwiche MWF 11:00am - 11:50am	Seats (Total: 20) MCB 2119

BSCI481 **Insect Diversity and Classification**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI337.

A summary of the morphology, systematics and evolution of insects and techniques for their collection, preservation and identification. Emphasis is placed on the diversity of insects in North America, particularly Maryland and adjacent regions. An insect collection is required.

Students must pay a $40.00 laboratory materials fee.

0101	Jeffrey Shultz F 10:00am - 10:50am M 10:00am - 1:00pm W 10:00am - 1:00pm	Seats (Total: 30) PLS 1117 PLS 1161 PLS 1161	 Lab Lab

BSCI497 **Insect Pests of Ornamentals and Turf**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI160 or BSCI337; or (PLSC110 and PLSC111) or (PLSC112 and PLSC113).

The recognition, biology and management of insects and mites injurious to ornamental shrubs, trees, greenhouse crops, and turf. Emphasis on Integrated Pest Management (IPM).

Students must pay a $40.00 laboratory materials fee.

0101	Karin Burghardt, Paula Shrewsbury	Seats (Total: 24)	
	TuTh 9:30am - 10:45am	PLS 1111	
	Tu 2:00pm - 5:00pm	PLS 1161	Lab

BSOS Behavioral and Social Sciences Fall 2025

BSOS180 **Introduction to Data Management**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within the College of Behavioral and Social Sciences or the College of Information. Credit only granted for: BSOS180 or BSOS188B. Formerly: BSOS188B. Additional information: Recommended for BSOS majors who need additional support for their disciplinary stats or research methods sequence.

Learn to read data, clean data sets, and perform other vital functions (mainly in Excel). Students will develop fundamental skills that will ease the transition into future coursework (or a career) in data science or analytics. Designed for students who have minimal background in Excel or computer software.

0101	Brian Kim	Seats (Total: 180)
	Meets September 15, 2025 - November 9, 2025	
	Class time/details on ELMs	ONLINE

BSOS188C **Selected Topics in the Behavioral and Social Sciences; Social Data Science: Pathways and Applications**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Introductory selected topics course dealing with interdisciplinary issues related to the social sciences.

Data Science, machine learning, and AI have exploded in popularity, and the big data revolution has affected how science is done in all fields, from the physical sciences to the behavioral and social sciences. This course explores the goals, values, skills, and practices of how data science is conducted within a variety of fields within the social sciences. It will enable students to identify questions and challenges that data science can address and help them find the data science discipline that matches their own values and goals.

0101	Brian Kim	Seats (Total: 25)
	Tu 2:00pm - 2:50pm	ONLINE

BSOS233 **Data Science for the Social Sciences**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in STAT 100. Restriction: Must be in a major in the College of Behavioral and Social Sciences or the College of Information Studies; or permission of instructor.

An introduction to modern methods of data analysis for social scientists. This course emphasizes teaching students who have no previous coding experience how to analyze data and extract meaning in a social science context. Students will gain critical programming skills and learn inferential thinking through examples and projects with real-world relevance.

Click here for permission to add this course

0101	Jacob Coutts MW 10:00am - 10:50am Th 2:00pm - 3:50pm	Seats (Total: 25) TWS 0310 TYD 1114	 Discussion
0102	Jacob Coutts MW 10:00am - 10:50am F 11:00am - 12:50pm	Seats (Total: 25) TWS 0310 TWS 0207	 Discussion
0103	Jacob Coutts MW 10:00am - 10:50am W 2:00pm - 3:50pm	Seats (Total: 25) TWS 0310 MTH B0425	 Discussion

BSOS248A **Leadership Seminar I; Ambassadors**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

A topics course in the behavioral and social sciences designed to develop student leaders with skills that will address important issues of the college and offers diverse viewpoints intended to challenge common perceptions of leadership, technology programs and communication.

Contact department for information to register for this course.

BSOS248D **Leadership Seminar I; Dean's Student Advisory Council**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

A topics course in the behavioral and social sciences designed to develop student leaders with skills that will address important issues of the college and offers diverse viewpoints intended to challenge common perceptions of leadership, technology programs and communication.

Contact department for information to register for this course.

BSOS248P **Leadership Seminar I; Peer Mentor Seminar I**

(Perm req)

Credits: 1 Grading Method: Regular

A topics course in the behavioral and social sciences designed to develop student leaders with skills that will address important issues of the college and offers diverse viewpoints intended to challenge common perceptions of leadership, technology programs and communication.

Contact department for information to register for this course.

BSOS258D **Leadership Practicum I; Dean's Student Advisory Council**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

This course puts into practice the elements and skills learned in the seminar series that directly benefit the college.

Contact department for information to register for this course.

BSOS258L **Leadership Practicum I; DSAC Officers**

(Perm req)

Credits: 1 Grading Method: Regular

This course puts into practice the elements and skills learned in the seminar series that directly benefit the college.

Repeatable to 9 credits.

Contact department for information to register for this course.

BSOS258P **Leadership Practicum I; Peer Mentors**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

This course puts into practice the elements and skills learned in the seminar series that directly benefit the college.

Contact department for information to register for this course.

BSOS288I **Special Topics in Behavioral and Social Sciences; Internship Practicum in the Social Sciences**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Introductory special topics course focusing on an interdisciplinary topic related to behavioral and social sciences.

Contact department for information to register for this course.

BSOS326 **Python Programming for the Social Sciences**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in INST126 or BSOS233. Restriction: Restricted to students in the Social Data Science major or by permission of the instructor.

Python has become the most powerful programming language in advanced statistics and data analytics. It includes expansive packages for data handling and processing, including the latest developments in machine learning, and offers Integrated Development Environments (IDE) for code development, testing, debugging, and graphical representation. This course offers a thorough introduction to Python and those packages that are fundamental to data processing and analysis.

Click here for permission to add this course

0101	Neil Lund	Seats (Total: 50)
	TuTh 9:30am - 10:45am	TYD 2106

BSOS355 **Social Sciences Internship Practicum**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Must have earned a minimum of 60 credits; and minimum cumulative GPA of 2.5; and must have completed at least 1 semester at UMD. Credit only granted for: BSOS388I or BSOS355. Formerly: BSOS388I.

BSOS 355 is an internship course open to all majors. It will enable students to articulate and apply the scholarship from the discipline related to their specific internship placement into a real-work environment.

0101	Liza Lebrun	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

BSOS358A **Leadership Practicum II; Ambassadors**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

This course puts into practice the advanced skills and elements learned in the seminar series that directly benefit the college.

Contact department for information to register for this course.

BSOS358P **Leadership Practicum II; Peer Mentors**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

This course puts into practice the advanced skills and elements learned in the seminar series that directly benefit the college.

Contact department for information to register for this course.

BSOS361 **Academic and Career Planning for Transfer Students in the College of Behavioral and Social Sciences**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be a first-semester transfer student in a College of Behavioral and Social Sciences major. Additional information: Intended for first semester transfer students in BSOS majors.

Students will utilize the resources of the Feller Center for Academic and Career Planning and TerrapinSTRONG to explore how their individual social identities and strengths contribute to building strong communities in personal, academic, and professional career spaces.

0101	Shannon Sibel	Seats (Total: 25)
	W 3:00pm - 4:15pm	TYD 1114

0102	Bailey Kier Th 4:00pm - 5:15pm	Seats (Total: 25) TYD 1114
0103	Keia Brown M 5:00pm - 6:15pm	Seats (Total: 25) TYD 1118
0104	David Tana M 4:30pm - 5:45pm	Seats (Total: 25) TYD 1114
0105	TC Lloyd, Laura Aguilera W 2:00pm - 3:15pm	Seats (Total: 25) TYD 2106

BSOS386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Contact department for information to register for this course.

BSOS388C **Behavioral and Social Sciences Special Topics**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.

0101	Nikita Kimani **Meets September 2, 2025 - October 17, 2025** Tu 4:00pm - 6:00pm	Seats (Total: 20) SQH 1105
0201	Nikita Kimani **Meets October 22, 2025 - December 8, 2025** W 4:00pm - 6:00pm	Seats (Total: 20) SQH 1103

BSOS388E **Behavioral and Social Sciences Special Topics; CIDCM Minor Practicum**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.

0101	Liza Lebrun Class time/details on ELMs	Seats (Total: 30) ONLINE

BSOS388Q **Behavioral and Social Sciences Special Topics; Cesar Directed Study**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.

Contact department for information to register for this course.

BSOS399 **Directed Study in Behavioral and Social Sciences**

Credits: 1-6

Grading Method: Regular, Pass-Fail, Audit

Guidance for the advanced student capable of interdisciplinary study on special projects under the supervision of the Assistant Dean for Student Affairs.

Contact department for information to register for this course.

BSOS399T **Directed Study in Behavioral and Social Sciences; Civicus Teaching Assistant**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Guidance for the advanced student capable of interdisciplinary study on special projects under the supervision of the Assistant Dean for Student Affairs.

Contact department for information to register for this course.

BSOS448A **Teaching Assistant Practicum; Fianancial Literacy Education**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Supervised practicum for teaching assistants for BSOS/UNIV courses.

0101	Amy Billing, Eric Wish	Seats (Total: 15)
	Contact instructor or department for details.	

BSOS448C **Teaching Assistant Practicum; Civicus**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Supervised practicum for teaching assistants for BSOS/UNIV courses.

Contact department for information to register for this course.

BSOS448I **Teaching Assistant Practicum; Internship**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Supervised practicum for teaching assistants for BSOS/UNIV courses.

Contact department for information to register for this course.

BSOS448T **Teaching Assistant Practicum; (UNIV)**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Supervised practicum for teaching assistants for BSOS/UNIV courses.

Contact department for information to register for this course.

BSST Terrorism Studies Fall 2025

BSST200 **Terrorism Studies**

Credits: 3 Grading Method: Regular

Credit only granted for: BSST330 or BSST200. Formerly: BSST330.

Theories explaining the formation of terrorist groups and the motivations behind terrorist behavior, building upon theories from social psychology, sociology, political science, criminology, and history. The course examines the different levels of analysis for terrorism studies, the different methods scholars utilize for research, and the most prominent datasets in the field of homeland security. In addition, this course provides a review of various terrorist groups and ideological movements. The course concludes with an introduction to the different approaches to counter violent extremism and terrorism.

0101	Thomas Guarrieri TuTh 11:00am - 12:15pm	Seats (Total: 40) HJP 0226
	Restricted to students in the Global Terrorism Studies minor (#BS07).	
0201	Thomas Guarrieri TuTh 11:00am - 12:15pm	Seats (Total: 10) HJP 0226
	Restricted to students in International Development and Conflict Management minor (#BS02), Global Poverty minor (#AG06), or Global Engineering Leadership minor (#EN09).	
0301	Thomas Guarrieri TuTh 11:00am - 12:15pm	Seats (Total: 150) HJP 0226

BSST240 **Understanding The Principles and Perils of CBRN Weapons**

Credits: 3 Grading Method: Regular General Education: DSNL (if taken with BSST241), DSNS

Additional information: If taken in the same term as BSST241 these courses will count for General Education Natural Sciences Lab.

Explores the 'dark side' of scientific applications. Students will gain an understanding of CBRN Weapons, through the exploration of the scientific method, and certain fundamental principles of chemistry, biology, and physics. Students will also learn how to test hypotheses, use basic statistics, interpret results, and apply their new knowledge through discussions of practical applications in the domains of public health, emergency management, epidemiology, and threat assessment. Bringing these fields together in one class will allow students to better understand the use of and threat from CBRN weapons in terrorism.

FC01	Steve Sin TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) JMZ 0103	

BSST241 **Understanding the Principles and Perils of CBRN Weapons (Lab)**

Credits: 1 Grading Method: Regular

Corequisite: BSST240. Additional information: This is an optional 1-credit lab course offered in coordination with BSST240. If taken in the same term as BSST240 these courses will count for General Education Natural Sciences Lab.

An exploration of the threat of Chemical, Biological, Radiological, and Nuclear (CBRN) weapons aimed to provide students with a basic, multidisciplinary, natural science foundation in chemistry, biology, and physics.

Students must also be enrolled in BSST240: Understanding the Principles and Perils of CBRN Weapons

FC01	Steve Sin F 10:00am - 12:30pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) ATL 1410	Lab

BSST334 **States of Emergency**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, SCIS

Students will explore the manner in which crises unfold from the perspective of a variety of emergency response disciplines, including: emergency management, law enforcement, intelligence analysis, cyber analysis, risk communication, health and human services, and emergency psychiatry/psychology. Students will participate in a semester-long simulation of an unfolding terrorist attack.

0101	Max Erdemandi Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 40) TMH 0301 ONLINE	Discussion
0102	Max Erdemandi Tu 12:30pm - 1:45pm Th 2:00pm - 3:15pm	Seats (Total: 40) TMH 0301 ONLINE	Discussion
0103	Max Erdemandi Tu 12:30pm - 1:45pm Th 3:30pm - 4:45pm	Seats (Total: 40) TMH 0301 ONLINE	Discussion

BSST335 **Innovations in Countering Violent Extremism**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Restriction: Must be in the Global Terrorism Studies Minor program. Credit only granted for: BSST335 or BSST338V. Formerly: BSST338V. Additional information: It is recommended that BSST335 be taken after, or concurrent with, BSST200.

Introduces students to novel innovations in the development of Countering Violent Extremism (CVE) programs. CVE is a realm of policy, programs, and interventions designed to prevent individuals from engaging in violence associated with radical political, social, cultural, and/or religious ideologies. Unlike counterterrorism strategies that often focus on targeting and disrupting terrorist plots, CVE focuses on radicalization prevention through engagement and intervention with communities. CVE also focuses on deradicalization and rehabilitation of former extremists. Throughout the course, students will work in groups to develop their own innovative CVE programs, rather than merely learn about CVE through lectures.

Restricted to Global Terrorism Minor students (#BS07).

0101	Amy Pate TuTh 3:30pm - 4:45pm	Seats (Total: 40) HJP 2242

BSST340 Oral Communication for National Security Careers

Credits: 3 | Grading Method: Regular | General Education: FSOC

Credit only granted for: BSST340 or BSST338E. Formerly: BSST338E.

Students will discuss perspectives on strategic communication and national security, while discussing and practicing public speaking skills and developing proficiency in three genres of security-related briefings. Students will work with the technical, scientific, and/or specialized data, vocabularies, processes, and products of the academic disciplines and/or fields of expertise relevant to national and international security careers.

FC01	Holly Roberts, Kayla Hare F 1:00pm - 4:00pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) KEY 0117

BSST386 Experiential Learning in Terrorism Studies

(Perm req)

Credits: 1-5 | Grading Method: Regular, Pass-Fail

This course will supplement student's experiential learning experience, or internship in the field of terrorism studies and homeland security with guided reflection on their experiences.

0101	Liberty Day Class time/details on ELMs *Registration by Departmental Permission Only*	Seats (Total: 35) ONLINE

BSST389 Internship in Terrorism Studies

Credits: 1-6

Grading Method: Regular, Pass-Fail

Supplements student's experiential learning experience, or internship in the field of terrorism studies and homeland security, with guided reflection on their experiences.

Contact department for information to register for this course.

BSST630 Motivations and Intents of Terrorists and Terrorist Groups

Credits: 3

Grading Method: Regular, Audit

Examines motivations for terrorism from an interdisciplinary perspective, with emphasis on political and applied social psychological perspective. Topics may include: defining terrorism; preconditions; recruitment; domestic and international terrorism; and case studies and analysis of terrorist organizations.

PWT1	Thomas Guarrieri	Seats (Total: 30)
	Th 6:00pm - 8:30pm	ONLINE
	Class time/details on ELMs	ONLINE

Must be in the Graduate Programs in Security and Terrorism Studies or a graduate student in a Semester Academic Calendar program. Golden ID students are not eligible for this section.

BSST635 Countering Violent Extremism: Policy and Practice

Credits: 3

Grading Method: Regular, Audit

In recent years, the understanding of how and why individuals engage in violent extremism and terrorism has evolved and become more nuanced, as have the tools to mitigate these threats. A field of policy and practice called Countering Violent Extremism (CVE) has emerged that focuses on countering the pull of terrorist recruitment and influence by building resilience among populations vulnerable to radicalization.

PWT1	Michael Jensen	Seats (Total: 30)
	W 6:00pm - 8:30pm	ONLINE
	Class time/details on ELMs	ONLINE

Must be in the Graduate Programs in Security and Terrorism Studies or a graduate student in a Semester Academic Calendar program. Golden ID students are not eligible for this section.

BSST638Z Special Topics in Terrorism Studies; Counterterrorism Policy and Practice

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Students will gain perspective in understanding radicalization, extremism, and terrorism as a complex system and why such systems challenge easy policy responses. Practical exploration of policy options includes the historical background and origination of policy choices, their ethical implications, dynamics over time including unintended consequences, and how policies can be evaluated in isolation, combination, and different timing sequences.

PWT1	Timothy Clancy	Seats (Total: 30)
	M 6:00pm - 8:30pm	ONLINE
	Must be in the Graduate Programs in Security and Terrorism Studies or a graduate student in a Semester Academic Calendar program. Golden ID students are not eligible for this section.	

BSST640 **Theories of Security and Terrorism Studies**

Credits: 3 Grading Method: Regular, Audit

Additional information: Priority enrollment will be given to students in the MPS in Security and Terrorism Studies program.

Security and Terrorism Studies is a broad field that includes relevant theoretical voices from across the social sciences, philosophy, and policy. This course will mainly pull from sociological, psychological, and political science (international relations) theory to help students understand the theoretical foundation for the field and for their research. Specific topics may include discussion of power dynamics, ideology, violence, conflict, realist perspectives, and critical perspectives.

PWT1	Louis Wasser	Seats (Total: 30)
	M 6:00pm - 8:30pm	ONLINE
	Class time/details on ELMs	ONLINE
	Must be in the Graduate Programs in Security and Terrorism Studies or a graduate student in a Semester Academic Calendar program. Golden ID students are not eligible for this section.	

BSST642 **Analytic Methods**

Credits: 3 Grading Method: Regular, Audit

Development and mastery of analytic methods is vital for those seeking careers as professional analysts in fields related to security and terrorism studies. For students focused on an academic research career path, these skills will help you better interface with government and private sector consumers of your work. The overall goals for this course are to provide students with hands-on experience using analytic techniques to solve advanced problems. Classes will cover historical and current uses of analytic techniques and students will develop an understanding of which tools to use under different circumstances of analysis.

PWT1	Marcus Boyd	Seats (Total: 30)
	Tu 6:00pm - 8:30pm Class time/details on ELMs	ONLINE ONLINE
	Must be in the Graduate Programs in Security and Terrorism Studies or a graduate student in a Semester Academic Calendar program. Golden ID students are not eligible for this section.	

BSST650 **Foundations of Insider Risk Management & Mitigation**

Credits: 3 Grading Method: Regular, Audit

The risks posed by trusted insiders to organizations in both the public and private sector are well documented. Past compromises of national security information have provided sensitive information to US adversaries; theft or compromise of proprietary data and intellectual property has impacted businesses large and small; and, incidents of workplace violence perpetrated by insiders are on the rise. This course provides context for the counter insider threat mission and explores multi-disciplinary insider risk management concepts. The course addresses matters of policy, political and socio-economic impacts, psychological factors, and gives special consideration to issues of cyber insider threat, privacy and civil liberties, kinetic violence, and related social and behavioral science research.

PWT1	Steve Sin	Seats (Total: 30)
	Th 6:00pm - 8:30pm Class time/details on ELMs	ONLINE ONLINE
	Must be in the Graduate Programs in Security and Terrorism Studies or a graduate student in a Semester Academic Calendar program. Golden ID students are not eligible for this section.	

BSST651 **The Psychology of Malicious Insiders**

Credits: 3 Grading Method: Regular, Audit

Multidisciplinary perspectives on intentional, malicious behavior by insiders. Reviews theoretical foundations from social psychology, personality psychology, psychopathology, and criminology and encourages students to understand Insider Threat (InT) behaviors through case conceptualization/formulation. Emphasis shall be placed on understanding the "fit" between different strategies for interviewing, investigating, early warning, monitoring, and mitigation, as well as the dynamics of a given case.

PWT1	Anthony Kraemer	Seats (Total: 30)
	W 6:00pm - 8:30pm Class time/details on ELMs	ONLINE ONLINE
	Must be in the Graduate Programs in Security and Terrorism Studies or a graduate student in a Semester Academic Calendar program. Golden ID students are not eligible for this section.	

BSST697 **Capstone**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Students must be currently enrolled in their final semester of the MPTS program and have completed a minimum of 27 program credits.

The capstone course allows MPS students the ability to take what they have learned throughout their coursework and apply theories, methods, analysis, and policy in the form of a final project. The project can originate from work experience or the student's interests. Projects will be developed in conjunction with a member of the graduate faculty who will oversee the student's progress. By the end of the semester, each student is expected to have completed their individual project. The project should further the student's intellectual and career goals and can take the form of practical analysis, policy, or a more academic approach. Students will present their capstone project in written form and will also be required to present their research via an online colloquium. Students are expected to meet with a capstone advisor at least once a week and will devote considerable time developing the project individually.

PWT1	Thomas Guarrieri	Seats (Total: 30)
	Class time/details on ELMs	ONLINE
	Must be in the Graduate Programs in Security and Terrorism Studies. Registration by Departmental Permission Only. Email education-start@umd.edu for inquiries. Golden ID students are not eligible for this section.	

BUAC Accounting and Information Assurance Fall 2025

All BUAC courses are for MS in Accounting students unless otherwise noted.

BUAC707 **Financial Statement Analysis for Accountants and Auditors**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUAC780 or BUAC707. Formerly: BUAC780.

Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. This involves understanding and using the information that financial statements are communicating to users.

0501	Nick Seybert **Meets August 25, 2025 - October 10, 2025** MW 2:00pm - 3:50pm	Seats (Total: 0) VMH 1511
0502	Nick Seybert **Meets August 25, 2025 - October 10, 2025** MW 4:00pm - 5:50pm	Seats (Total: 0) VMH 1511

BUAC710 **Advanced Managerial Accounting and Control Systems**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUAC782 or BUAC710. Formerly: BUAC782.

Focuses on topics that emphasize the role of managerial accounting in a firm's overall management planning and control structure. A key concern is to show how effective organizations ensure that the parts of the organization work together to create the whole, and how the sum of the parts, through synergy, can indeed be greater then the whole.

0501	Naman Desai **Meets October 20, 2025 - December 12, 2025** TuTh 2:00pm - 3:50pm	Seats (Total: 0) VMH 1520

BUAC712 **Business Communications for Accountants and Auditors**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUAC784 or BUAC712. Formerly: BUAC784.

Focuses on the art of communication and its effects on people, organizations, and other stakeholders. The course will focus on two aspects of business communications: persuasion and effective presentations. The objective for the persuasion sessions is to have students improve upon their day-to-day oral business communications skills. This will be accomplished as participants learn to tailor each communication to the person or people with whom they are speaking.

0501	Samuel Handwerger **Meets August 25, 2025 - October 10, 2025** MW 10:00am - 11:50am Contact instructor or department for details.	Seats (Total: 0) VMH 2505

0502	Samuel Handwerger	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	MW 8:00am - 9:50am	VMH 2505
	Contact instructor or department for details.	

BUAC716 **Auditing Automation and Analytics**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith.

Auditing theory and the functions of the independent auditor in the financial market. As part of the class, the students will cover issues related to auditing large databases and audit analytics of large database. Moreover, the students will study audit automation and the use of artificial intelligence (AI) and Robotic process in the auditing market.

0501	James McKinney	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	MW 4:00pm - 5:50pm	VMH 2505
	Contact instructor or department for details.	

BUAC721 **Business Law for Managers**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI764 or BUAC721.

Survey of United States legal institutions and processes as well as substantive areas of the law that affect business. Examination of tort and contract law, the legal forms of business organization and legal liability and major regulatory laws that affect business.

0501	Jonathan Crocker	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	MW 6:00pm - 7:50pm	VMH 1202

BUAC722 **Applied Research for Accounting and Auditing**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith.

Designed to give accounting masters students exposure to and appreciation of the various types of research that are undertaken by accounting and auditing professionals, including CPAs, financial analysts and academics. Accounting research will be studied as it relates to financial accounting standards, auditing standards, gaining understanding of a business and industry, and to a very limited extent tax and academic research. Students will gain experience working with professional accounting research databases as well as other databases that are useful for accounting research. Auditors and corporate preparers of financial statements need to know how to determine current GAAP and GAAS as they confront new issues and as standards evolve and change. Professionals need to understand how the standards are derived and how to analyze policy alternatives. Additionally, students will also explore the process of researching a business or industry in preparation for an audit.

0501	James McKinney	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	MW 4:00pm - 5:50pm	VMH 2505

BUAC731 **Intermediate Accounting I**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUAC758L or BUAC731. Formerly: BUAC758L.

The first part of a three-series set of courses on intermediate accounting; presents an in-depth analysis of financial accounting and reporting theory and practice that will enhance student understanding of financial information used in making effective management decisions. For each topic included in the series, this course presents a review of the underlying business transactions that require accounting along with a review the technical details of U.S. Generally Accepted Accounting Principles (GAAP) and applicable International Financial Reporting Standards (IFRS). The course covers the informational needs of managers, securities analysts, investors and creditors, applicable to a variety of business transactions and events. The course includes materials helpful to students planning to take the CPA Examination. Intermediate Accounting I focuses on financial accounting standards, the conceptual framework of accounting, the accounting information system, the balance sheet, income statement, statement of cash flows, time value of money concepts and revenue recognition.

0501	Xin Zhao	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	MW 2:00pm - 3:50pm	VMH 2505

BUAC740 **Data Driven Decision Making**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith.

Proficiency in the art of analyzing data to support decision-making is critical for business professionals. In this course, we will explore basic analytical principles that can assist a manager to extract information from raw data and model complex decision problems with quantitative methods. A good outcome does not necessary imply a good decision, a good outcome can be a matter of luck. A good decision is founded on sound reasoning and considers all the information available at the time of the decision.

0501	Tunay Tunca **Meets August 25, 2025 - October 10, 2025** MW 12:00pm - 1:50pm Contact instructor or department for details.	Seats (Total: 0) VMH 1511
0502	Tunay Tunca **Meets August 25, 2025 - October 10, 2025** MW 10:00am - 11:50am	Seats (Total: 0) VMH 1511

BUAC746 **Systems for Data Analysis**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith School of Business. Credit only granted for: BUAC758S or BUAC746. Formerly: BUAC758S.

Since the data grows exponentially and becomes complex, we need computational methods to collect, store, and analyze them in order to be successful in business, management, science, engineering, and other professions. This course is an introductory data class that meets this need. Class teaches how to analyze and model data, how to define and manipulate database, how to write computer programs in Python language to solve real-world problems, and how to use Tableau to explain your results as a report in a more readable way. This will be useful in your career and your research in the future. This course introduces the conceptual and logical designs of relational database systems and their uses in business environments. Topics include information modeling, optimization via normalization, data definition and manipulation languages, client/server architectures, concurrency and recovery, and data warehousing.

0501	Lu Zhang **Meets October 20, 2025 - December 12, 2025** MW 10:00am - 11:50am	Seats (Total: 0) VMH 2505
0502	Lu Zhang **Meets October 20, 2025 - December 12, 2025** MW 12:00pm - 1:50pm	Seats (Total: 0) VMH 1520

BUAC758A **Special Topics in Accounting and Information Assurance; Accounting for Income Tax and Database Management**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in accounting and information assurance.

0501	Darian Harnish	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	MW 6:00pm - 7:50pm	VMH 2505
	Contact instructor or department for details.	

BUAC758Q **Special Topics in Accounting and Information Assurance; Research on Accounting and Economic Aspects of Cybersecurity**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in accounting and information assurance.

0501	Lawrence Gordon	Seats (Total: 25)
	Meets October 20, 2025 - December 12, 2025	
	MW 2:00pm - 3:50pm	VMH 1336

BUAC758X **Special Topics in Accounting and Information Assurance; Accounting Experiential Learning Capstone**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in accounting and information assurance.

0501	Lei Zhou	Seats (Total: 30)
	Meets October 20, 2025 - December 12, 2025	
	TuTh 4:00pm - 5:50pm	VMH 1511

BUAC758Y **Special Topics in Accounting and Information Assurance; AI Literacy: Business Data and AI Applications**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in accounting and information assurance.

Cross-listed with BDBA818A. Credit granted only for BUAC758Y or BDBA818A.

0501	Lei Zhou, Sean Cao	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	MW 6:00pm - 7:50pm	VMH 1202

BUAC759 **Independent Study in Accounting and Information Assurance**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for masters students in accounting and information assurance.

Contact department for information to register for this course.

BUAC762 **Tax I: Taxation of Individuals & Forecasting Analytics**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith School of Business.

Federal taxation of individuals focusing on income, exclusions, deductions, depreciation, credits and capital transactions including home ownership. Property coverage includes the tax consequences of sales and dispositions of personal use assets, investment and business assets. Both tax planning and compliance issues are also covered. In addition the course covers waged based and equity-based compensation, taxable and nontaxable benefits as well as deferred compensation and various retirement plans. In addition, students will learn how to utilize regression analysis and scenario analysis to provide additional insights about these tax topics and to forecast future effective tax rates.

0501	Brian Jefferson	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	TuTh 2:00pm - 3:50pm	VMH 2505

BUAC764 **Tax II: Taxation of Corporations & Other Entities**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUAC758V or BUAC764. Formerly: BUAC758V.

Students have the opportunity to gain an understanding of the basic tax competencies required for determining the appropriate tax structure for businesses; issue identification; active listening; solving tax problems.

0501	Brian Jefferson	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	TuTh 4:00pm - 5:50pm	VMH 2505

BUAC772 **Database Management and State and Local Taxation**

(Perm req) Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith School of Business.

Covers the tax implications of doing business in the United States across state lines, resulting in multiple taxation under the Commerce Clause of the United States Constitution. The course focuses on nexus or jurisdictional due process (which gives states the right to tax business profits), allocation and apportionment formulas of multi state income, business versus non-business income, privilege tax and discrimination. Also explored are the current tax developments under the Import-Export clause of the United States Constitution, taxation based on class legislation and the Equal Protection Clause, the multi-state tax compact, unitary concept, residence definitions, nonresident income sources, tax credits and short-period returns for individual income taxpayers, sales of tangible personal property, and retail and wholesale sales. The course examines valuation techniques for real and personal property. Students will learn the skills needed to understand and identify many aspects of the state income tax apportionment process. Focus will be placed on calculations and analyses required to present the state and local tax information in such a manner as to assist upper management in the business expansion decision-making process. The tax apportionment process requires a solid understanding of database management and we will utilize tools that are considered required knowledge in today's tax departments.

0501	Samuel Handwerger	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	TuTh 6:00pm - 7:50pm	VMH 2505

BUDT Decision and Information Technologies Fall 2025

BUDT700 Business Communication

(Perm req) Credits: 1 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith School of Business. Credit only granted for: BUDT758A or BUDT700. Formerly: BUDT758A.

Consists of written and oral base-line assessments. Students will meet with Program administrators to receive feedback on these assessments and create an individualized development plan. Workshops and core course assignments, Smith-related activities and CMP assignments.

0506	Cary Gillett	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	W 7:00pm - 8:50pm	VMH 1505
	Class time/details on ELMs	ONLINE

0507	Cary Gillett **Meets August 25, 2025 - October 10, 2025** Th 7:00pm - 8:50pm Class time/details on ELMs	Seats (Total: 0) VMH 1330 ONLINE

BUDT702 **Database Management Systems**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith School of Business.

Introduction to the conceptual, logical and physical design of relational database systems and their use in business environments. Topics include information modeling and optimization via normalization; Structured Query Language (SQL); Data Warehousing.

0501	Woei-jyh Lee **Meets August 25, 2025 - October 10, 2025** MW 10:00am - 11:50am	Seats (Total: 0) VMH 1202
0502	Woei-jyh Lee **Meets August 25, 2025 - October 10, 2025** MW 2:00pm - 3:50pm	Seats (Total: 0) VMH 1202

BUDT703 **Database Management Systems**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith School of Business. Credit only granted for: BUDT758Y OR BUDT703. Formerly: BUDT758Y.

Introduction to the conceptual, logical and physical design of relational database systems and their use in business environments. Topics include information modeling and optimization via normalization; Structured Query Language (SQL); Data Warehousing.

Cross listed with BDBA808L. Credit granted for only BUDT703 or BDBA808L.

0506	Woei-jyh Lee **Meets August 25, 2025 - December 12, 2025** TuTh 9:30am - 10:45am	Seats (Total: 0) VMH 1333

BUDT704 **Data Processing and Analysis in Python**

(Perm req) Credits: 3 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith School of Business. Credit only granted for: BUDT758X OR BUDT704. Formerly: BUDT758X.

An introduction to the Python programming language for the purpose of processing, analyzing, and visualizing data. In addition, students will be introduced to developing basic regression, optimization, and simulation models in Python, using highly popular packages. Course emphasis is on mastering basic Python functionality and developing intermediate to advanced skills in working with data, through instruction and active learning.

0501	Manmohan Aseri **Meets August 25, 2025 - December 12, 2025** TuTh 5:00pm - 6:15pm	Seats (Total: 0) VMH 1505
0502	Manmohan Aseri **Meets August 25, 2025 - December 12, 2025** TuTh 6:30pm - 7:45pm	Seats (Total: 0) VMH 1505
0506	Peng Huang **Meets August 25, 2025 - December 12, 2025** MW 2:00pm - 3:15pm	Seats (Total: 0) VMH 1333

BUDT705 Data Visualization for Business

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith.

An introduction to data visualization techniques. Data-driven decisions are increasingly embedded in business organizations, so professionals must be able to explore and communicate data with understandable and powerful visualizations.

0501	Jessica Clark **Meets August 25, 2025 - October 10, 2025** TuTh 12:00pm - 1:50pm	Seats (Total: 30) VMH 1520
0502	Jessica Clark **Meets August 25, 2025 - October 10, 2025** TuTh 2:00pm - 3:50pm	Seats (Total: 30) VMH 1520

BUDT721 **Digital Transformation in Business**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith School of Business. Credit only granted for: BUDT758E or BUDT721. Formerly: BUDT758E.

Introduces students to the strategic role of digital transformation within businesses, and provides an overview for how major information technologies may be used to inform and transform the firm's strategic, operational, and tactical decisions. Topics discussed in the course include the strategic use of digital technologies to generate sustainable competitive value; the contributions of new forms of technology infrastructure; the evaluation of new technology investments and the resulting ROI; acquiring, managing and governing technological capabilities within the firm; understanding the role of enterprise systems and social technologies within the firm; and the management of disruptive technologies within and outside the firm.

0501	Il-Horn Hann **Meets October 20, 2025 - December 12, 2025** TuTh 12:00pm - 1:50pm	Seats (Total: 0) VMH 1511
0504	Il-Horn Hann **Meets October 20, 2025 - December 12, 2025** TuTh 2:00pm - 3:50pm	Seats (Total: 0) VMH 1511

BUDT722 **Managing Digital Business Markets**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith. Credit only granted for: BUDT758G or BUDT722. Formerly: BUDT758G.

The objective is to understand the strategic and tactical issues involved in managing digital businesses and markets. Also, some of the characteristics of digital businesses and markets that make them unique and understand how companies can best manage them will be examined.

0501	Siva Viswanathan **Meets August 25, 2025 - October 10, 2025** TuTh 2:00pm - 3:50pm	Seats (Total: 0) VMH 1511
0504	Siva Viswanathan **Meets August 25, 2025 - October 10, 2025** TuTh 12:00pm - 1:50pm	Seats (Total: 0) VMH 1511

BUDT724 **Project Management in Dynamic Environments**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith.

Addresses project management skills that are required by successful managers in increasingly competitive and faster-moving environments. Examines fundamental concepts of successful project management, and the technical and managerial issues, methods, and techniques.

Cross-listed with BDBA808R. Credit granted only for BUDT724 or BDBA808R.

0501	Paul Shapiro **Meets October 20, 2025 - December 12, 2025** TuTh 2:00pm - 3:50pm	Seats (Total: 0) VMH 2202
0504	Paul Shapiro **Meets October 20, 2025 - December 12, 2025** TuTh 12:00pm - 1:50pm	Seats (Total: 0) VMH 2202

BUDT730 **Data Models and Decisions**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith. Credit only granted for: BUSI758B, BUDT758Q or BUDT730. Formerly: BUDT758Q.

Analytical modeling of business decisions; uncertainty, risk and expected utility; regression modeling to infer relationships among variables.

0506	Sujin Kim **Meets August 25, 2025 - December 12, 2025** TuTh 12:30pm - 1:45pm	Seats (Total: 0) VMH 1333

BUDT731 **Data, Models, and Decisions Using R**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith School of Business.

Analytical modeling of business decisions; uncertainty, risk and expected utility; regression modeling to infer relationships among variables.

0501	Eaman Jahani **Meets August 25, 2025 - October 10, 2025** MW 12:00pm - 1:50pm	Seats (Total: 0) VMH 1520
0502	Eaman Jahani **Meets August 25, 2025 - October 10, 2025** MW 4:00pm - 5:50pm	Seats (Total: 0) VMH 1202

BUDT732 **Decision Analytics**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith. Credit only granted for: BMGT732, BUDT758P or BUDT732. Formerly: BMGT732 and BUDT758P.

Analytical modeling for managerial decisions using a spreadsheet environment. Includes linear and nonlinear optimization models, decision making under uncertainty and simulation models.

0506	Alexander Estes **Meets August 25, 2025 - December 12, 2025** MW 11:00am - 12:15pm	Seats (Total: 0) VMH 2202

BUDT733 **Data Mining and Predictive Analytics**

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith School of Business.

With vast quantities of data being generated, including new types of data such as web traffic, social network data, and reviews and comments on websites, "big data" and "analytics" are important topics. Data, when used correctly, can create a competitive edge for firms. Advances in computing hardware and algorithms have improved the quality of predictions and effectiveness of predictive business applications. Expertise in working with data, and deep knowledge of data mining/machine learning methods, is a sought-after skill. This course introduces key tools and techniques of data mining: classification, prediction, cluster analysis, and text mining. The methods covered are linear and logistic regression, k-nearest neighbors, naive Bayes, classification and regression trees, ensemble methods, neural networks, k-Means and hierarchical clustering, and association rules. The course will focus on business applications, with examples from Marketing, Finance, Healthcare, and Operations.

0504	Jessica Clark **Meets August 25, 2025 - October 10, 2025** MW 2:00pm - 3:50pm	Seats (Total: 0) VMH 1528

BUDT748 **Industry Practicum**

Credits: 3 Grading Method: Regular

This capstone course will provide students an opportunity to work on a real-world project where they will work with a company to use technology to solve a business problem.

0501	Paul Shapiro **Meets August 25, 2025 - December 12, 2025** MW 9:30am - 10:45am	Seats (Total: 30) TYD 1118
0502	Paul Shapiro **Meets August 25, 2025 - December 12, 2025** MW 8:00am - 9:15am	Seats (Total: 30) VMH 1330
0503	Paul Shapiro **Meets August 25, 2025 - December 12, 2025** MW 6:30pm - 7:45pm	Seats (Total: 30) VMH 1333
0504	Paul Shapiro **Meets August 25, 2025 - December 12, 2025** MW 5:00pm - 6:15pm	Seats (Total: 0) VMH 1333

BUDT756 **Causal Inference & A/B Testing**

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith School of Business.

Organizations and policymakers in government constantly grapple with such causal questions. For example, firms want to know how does a price change affect the sales of a product, or how to design websites and platforms that increase consumer engagement and lead generation; political parties want to know what on social media sites can boost their political influence, and governments want to know whether allowing parents to pay for private schools using publicly funded vouchers make the education system more effective. In particular, platforms such as Netflix, Airbnb, eBay, Groupon, Booking.com, Uber, Amazon, etc. make extensive and continuous use of A/B tests and have a dedicated team of data scientists and IT-personnel to implement, monitor and analyze such tests. Banks and Insurance companies constitute another important sector where the use of A/B testing is ubiquitous.

0501	Jui Ramaprasad **Meets August 25, 2025 - October 10, 2025** MW 12:00pm - 1:50pm	Seats (Total: 35) VMH 2505

BUDT758I **Special Topics in Decision, Operations and Information Technologies; Applied Finance Information Systems**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.

0501	Harish Neelakandan **Meets August 25, 2025 - October 10, 2025** MW 6:00pm - 7:50pm	Seats (Total: 30) VMH 1336

BUDT758L **Special Topics in Decision, Operations and Information Technologies; Price Optimization & Revenue Management**

(Perm req)

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.

For MS in Business Analytic students only.

0506	Yi Xu **Meets August 25, 2025 - December 12, 2025** TuTh 3:30pm - 4:45pm	Seats (Total: 0) VMH 1330
0507	Yi Xu **Meets August 25, 2025 - December 12, 2025** TuTh 5:00pm - 6:15pm	Seats (Total: 0) VMH 1330

BUDT758O **Special Topics in Decision, Operations and Information Technologies; Designing AI Systems**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.

0501	Tejwansh Anand **Meets August 25, 2025 - October 10, 2025** TuTh 4:00pm - 5:50pm	Seats (Total: 30) VMH 2202

BUDT758W **Special Topics in Decision, Operations and Information Technologies; Capstone Project in Business Analytics**

(Perm req)

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in decision, operations and information technologies.

0506	Suresh Acharya **Meets August 25, 2025 - December 12, 2025** M 7:00pm - 9:40pm *For MS in Business Analytics students only.*	Seats (Total: 0) VMH 1212
0507	Suresh Acharya **Meets August 25, 2025 - December 12, 2025** M 7:00pm - 9:40pm	Seats (Total: 0) VMH 1212

BUDT759 **Independent Study in Decision and Information Technologies**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Independent study for masters students in decision and information technologies.

Contact department for information to register for this course.

BUFN Finance Fall 2025

600 and 700 level courses with the BUFN prefix are offered only for students in the Master of Finance and Master of Quantitative Financ programs.

BUFN400 **Introduction to Financial Markets and Financial Datasets**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: STAT400, STAT401, STAT410, or STAT420. Recommended: CMSC320, CMSC351, MATH240, and MATH241; and should have extensive familiarity with Python including Pandas, Numpy, Scipy, Matplotlib; and familiarity with probability and statistics, econometric modeling. Restriction: Must be in the Computational Finance (#BU04) minor.

Provides an overview of financial concepts and markets and datasets. Company financial statements will be used to review concepts including earnings, cash flow, accruals, investment, dividends, etc. The course will introduce concepts related to portfolio theory and asset pricing. It will introduce the fundamentals of the stock market and market microstructure, including bid ask spreads and market liquidity. Advanced topics include event studies, high frequency trading, Over The Counter (OTC) bond markets, and more specialized institutional arrangements including repo markets and foreign currency exchange markets.

0101	Albert Kyle MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 25) ESJ 1215 ESJ B0324	 Discussion
0102	Albert Kyle MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 25) ESJ 1215 ESJ B0324	 Discussion

BUFN401 **Option Theory and Derivatives**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BUFN400. Restriction: Must be in Computational Finance (#BU04) minor.

Will introduce Option Theory and the concept of a derivative financial contract whose value is based on some underlying asset, e.g., a stock or bond or commodity. Option theory based pricing models are a cornerstone of modern finance. Unlike the Capital Asset Pricing Model (CAPM) that determines an appropriate rate of return, option theory primarily relies on arbitrage arguments, and the probability that an option will be exercised during some time interval. Option theory has been very successful empirically. Common derivative types include stock and bond and index options, futures contracts, forward contract and swaps.

0101	Steven Heston TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1518

BUFN610 **Financial Management**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Permission of BMGT-Robert H. Smith School of Business; or must be in Business and Management (Master's) program. Credit only granted for: BUSI640, BUFN610, or BMGT610.

The fundamental concepts and techniques used to evaluate corporate decisions. Topics include the time value of money, valuation of common securities, investment decisions, capital budgeting, capital structure, and the weighted average cost of capital. The objectives are to develop the ability to make investment decisions, manage project finances, and analyze financial decisions.

0501	Liu Yang **Meets August 25, 2025 - October 10, 2025** TuTh 12:00pm - 1:50pm	Seats (Total: 0) VMH 1336
0505	Liu Yang **Meets August 25, 2025 - October 10, 2025** TuTh 10:00am - 11:50am	Seats (Total: 0) VMH 1336

BUFN620 **Capital Markets**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUFN740 or BUFN620. Formerly: BUFN740.

Covers modern theories and techniques for analyzing investments in different securities. Introduces mathematical and statistical models to price securities and guide investment decisions. The main topics covered are portfolio theory, pricing models, market efficiency, fixed income investment, and options.

For Master of Finance students only.

0501	Sarah Kroncke **Meets August 25, 2025 - October 10, 2025** TuTh 2:00pm - 3:50pm	Seats (Total: 0) VMH 1333

BUFN630 **Valuation in Corporate Finance**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: BUFN610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUFN630, BUFN714, BUFN750, BUFN753, or BMGT730. Formerly: BUFN750.

An advanced corporate finance course focusing on valuation. The main objective is to apply the concepts covered in the introductory finance class through real-life applications (cases) and use valuation estimates to guide and communicate investment decisions. The topics include building Pro Forma statements and forecasting future cash flows, dynamic cash flow models, estimating the cost of capital, implementing the Weighted Average Cost of Capital (WACC) and Adjusted Present Value (APV) methods, and using real options techniques (binomial and Black and Scholes models as well as Monte Carlo simulations) to value companies and projects.

0501	Liu Yang **Meets October 20, 2025 - December 12, 2025** TuTh 12:00pm - 1:50pm	Seats (Total: 0) VMH 1520
0505	Liu Yang **Meets October 20, 2025 - December 12, 2025** TuTh 10:00am - 11:50am	Seats (Total: 0) VMH 1520

BUFN640 **Financial Data Analytics**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUFN758N of BUFN640. Formerly: BUFN758N.

Introduces the skills and computing languages for analyzing financial data and testing financial models. Covers topics such as the ordinary least square regression (OLS) estimator, its properties and applications, statistical inference, and univariate and multivariate analysis. The focus is on working with data and applying econometric models to financial applications such as estimating asset pricing models, portfolio choice, and the efficient frontier. The course will use Python programming language, Google Colab environment, and matching learning packages.

0501	Serhiy Kozak **Meets August 25, 2025 - October 10, 2025** MW 12:00pm - 1:50pm Contact instructor or department for details.	Seats (Total: 0) VMH 1336
0502	Serhiy Kozak **Meets August 25, 2025 - October 10, 2025** MW 10:00am - 11:50am Contact instructor or department for details.	Seats (Total: 0) VMH 1336

BUFN650 **Machine Learning in Finance**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: BUFN640. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUFN758O or BUFN650. Formerly: BUFN758O.

A hands-on course on applications of cutting-edge machine learning methods to financial modeling. It builds on the Financial Analytics class to introduce students to a wide variety of machine learning techniques ranging from lasso regression to deep learning and TensorFlow. The course provides the basic ideas and intuition behind these methods, a more formal understanding of how and why they work, and opportunities to experiment with machine-learning algorithms and apply them to big data modeling in finance. It will use the Python programming language, Google Colab environment, and machine learning packages.

0501	Serhiy Kozak **Meets October 20, 2025 - December 12, 2025** MW 12:00pm - 1:50pm	Seats (Total: 0) VMH 1336
0502	Serhiy Kozak **Meets October 20, 2025 - December 12, 2025** MW 10:00am - 11:50am	Seats (Total: 0) VMH 1336

BUFN660 **Derivative Securities**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: BUFN610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUFN660, BUFN726, BUFN761 or BUFN773. Formerly: BUFN761.

Introduces standard derivative contracts, including forwards and futures, swaps, and options. Covers the mathematical foundation of valuing derivative contracts, the use of static and dynamic replication strategies, and the concept of no-arbitrage. Derivative securities on various underlying assets (equities, indices, commodities, foreign exchange, etc.) are analyzed using different application contexts.

0501	Steven Heston **Meets October 20, 2025 - December 12, 2025** TuTh 2:00pm - 3:50pm	Seats (Total: 0) VMH 1336
0502	Steven Heston **Meets October 20, 2025 - December 12, 2025** TuTh 4:00pm - 5:50pm	Seats (Total: 0) VMH 1336

BUFN717 **Entrepreneurial Finance and Private Equity**

Credits: 2 Grading Method: Regular

Prerequisite: BUFN610. Restriction: Permission of BMGT-Robert H. Smith School of Business; or must be in Business and Management (Master's) program. Credit only granted for: BUFN755 or BUFN717. Formerly: BUFN755.

An advanced topics course in Corporate Finance. The major emphasis is how financiers help growing firms - and in particular young start-ups - using different types of securities at different points in the industry's and firm's life. Financing arrangements and securities studied will include private equity funds and private financings placements, Venture Capital (VC) and preferred equity, Investment Banks through Initial Public Offerings (IPOs), Private equity finds, debt and leveraged buyouts. Students will learn additional techniques that will help them understand how financiers value firms and how to understand, plan and value different financing strategies.

0501	Pablo Slutzky	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	MW 10:00am - 11:50am	VMH 1330

BUFN721 **International Investment**

Credits: 2 Grading Method: Regular

Prerequisite: BUFN610. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUFN721 or BUFN770. Formerly: BUFN770.

Addresses international stock markets, portfolio theory, international interest rates, exchange rates and exchange rate derivatives (options, forwards, and futures), exchange rate swaps and exchange rate exposure (operating, translation, and transaction), foreign investment strategy.

0501	Vojislav Maksimovic	Seats (Total: 45)
	Meets August 25, 2025 - October 10, 2025	
	MW 2:00pm - 3:50pm	VMH 1336
	Contact instructor or department for details.	

BUFN734 **Portfolio Management**

Credits: 2 Grading Method: Regular

Prerequisite: BUFN610. Restriction: Permission of BMGT-Robert H. Smith School of Business; or must be in Business and Management (Master's) program. Credit only granted for: BUFN734 or BUFN763. Formerly: BUFN763.

Provides training that is important in understanding the investment process - the buy side of the financial world. Specifically, the objective is to provide graduate-level instruction in the following topics, both in theory and in using financial markets data to test the basic theory and practice of portfolio choice and equilibrium pricing models and their implications for efficient portfolios.

0501	Mark Loewenstein	Seats (Total: 50)
	Meets August 25, 2025 - October 10, 2025	
	TuTh 4:00pm - 5:50pm	VMH 1336

BUFN736 **Quantitative Investment Strategies**

Credits: 2 Grading Method: Regular

Prerequisite: BUFN610. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; or must be in Business and Management (Master's) program. Credit only granted for: BUFN764 or BUFN736. Formerly: BUFN764.

Provides an introduction to quantitative techniques of selecting equities, as used commonly among long-short equity hedge funds and other quantitative equity asset management companies. Statistical factor models are developed to locate stocks with higher expected returns, based on the observable characteristics of the stocks. Implementation issues, including statistical estimation, backtesting and portfolio construction, are covered, as is performance evaluation.

0501	Russell Wermers	Seats (Total: 45)
	Meets October 20, 2025 - December 12, 2025	
	MW 12:00pm - 1:50pm	VMH 1511

BUFN741 **Advanced Capital Markets**

Credits: 2 Grading Method: Regular

Prerequisite: BUFN620; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUFN758P or BUFN741. Formerly: BUFN758P.

This course covers modern theories and techniques for investments and asset pricing. The main topics covered are: portfolio theory, pricing models, market efficiency, fixed income investment, forwards and futures, and options.

For Master of Quantitative Finance students only.

0505	Kenneth Fuller	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	TuTh 4:00pm - 5:50pm	VMH 2505

BUFN742 **Financial Engineering**

Credits: 2 Grading Method: Regular

Prerequisite: BUFN610. Restriction: Permission of BMGT-Robert H. Credit only granted for: BUFN742 or BUFN766. Formerly: BUFN766.

Introduces and applies various computational techniques useful in the management of equity and fixed income portfolios and the valuation of financial derivatives and fixed income securities. Techniques include Monte Carlo Simulation and binomial/lattice pricing models. Emphasis is on bridging theory with the design of algorithms and models that can be directly applied in practice.

Cross-listed with BDBA848A. Credit granted only for BUFN742 or BDBA848A.

0501	George Gao	Seats (Total: 45)
	Meets October 20, 2025 - December 12, 2025	
	TuTh 12:00pm - 1:50pm	VMH 2505

BUFN747 Asset-Liability and Nonfinancial Risk Management

Credits: 2 Grading Method: Regular

Prerequisite: BUSI640; and BUFN740. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business.

This course surveys risks and techniques associated with asset-liability and nonfinancial risks including market and interest rate risk, liquidity risk, operational risk and model risk, among others. Techniques such as portfolio value-at-risk (VaR) are used in realistic empirical examples to illustrate the methods. Key rate duration, principal components analysis and analytical and simulation-based VaR techniques are used to estimate interest rate risk exposure for financial firms. Hedging these risks using various financial derivative products such as options, swaps and futures contracts is explored. Operational risk is estimated leveraging Poisson loss distributions and model risk and validation techniques are reviewed.

0501	Haluk Unal	Seats (Total: 45)
	Meets October 20, 2025 - December 12, 2025	
	MW 2:00pm - 3:50pm	VMH 1202

BUFN758D Special Topics in Finance; big data in finance

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in finance.

0501	Seokwoo Lee	Seats (Total: 45)
	Meets August 25, 2025 - October 10, 2025	
	MW 4:00pm - 5:50pm	VMH 1528

BUFN758G **Special Topics in Finance; Investment Fund Management: Mayer Fund**

(Perm req)

Credits: 2-3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in finance.

Contact department for information to register for this course.

BUFN758Z **Special Topics in Finance; Global Equity Fund**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in finance.

Contact department for information to register for this course.

BUFN759 **Independent Study in Finance**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in finance.

By Department Permission Only.

Contact department for information to register for this course.

BUFN768A **Special Topics in Finance; Experiential Learning Project**

(Perm req)

Credits: 1-4 Grading Method: Regular

Selected experiential learning opportunities in advanced topics in the various fields of graduate study in finance.

Contact department for information to register for this course.

BUFN768B **Special Topics in Finance; Experiential Learning Project**

(Perm req)

Credits: 1-4 Grading Method: Regular

Selected experiential learning opportunities in advanced topics in the various fields of graduate study in finance.

Contact department for information to register for this course.

BULM Logistics, Business, and Public Policy Fall 2025

Courses with the BULM prefix are offered only for students in the MS in Supply Chain Management program.

BULM700 **Business Fundamentals for Supply Chain Managers I**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Permission of BMGT-Robert H. Smith School of Business; or must be in Business and Management (Master's) program. Credit only granted for: BULM758K or BULM700. Formerly: BULM758K.

This course is part of a series of two courses Business Fundamentals for SCM part I and, part II. The series is intended to provide you with the knowledge and skills necessary to quantify the impact of supply chain management decisions on the bottom line. Students will gain a solid understanding of accounting, finance and the link between supply chain and overall financial performance. Students will analyze financial statements and explain the implications of supply chain management decisions on standard financial ratios and all components of the balance sheet and income statement. Through interactive supply chain finance models, students will demonstrate the sensitivity of outcome to multiple independent variables. Last but not least, students will also learn how to apply the net present value technique to evaluate the feasibility of investment projects in supply chain.

0501	Humberto Coronado	Seats (Total: 55)
	Meets August 25, 2025 - October 10, 2025	
	TuTh 12:00pm - 1:50pm	VMH 1202

BULM701 **Business Fundamentals for Supply Chain Managers II**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: BULM700; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BULM758Q or BULM701. Formerly: BULM758Q.

This is the second course of the series Business fundamentals for Supply Chain Managers. This course is intended to provide you with the knowledge and skills necessary to quantify the impact of supply chain management decisions on the bottom line. Students will gain a solid understanding of accounting, finance and the link between supply chain and overall financial performance. Students will analyze financial statements and explain the implications of supply chain management decisions on standard financial ratios and all components of the balance sheet and income statement. Through interactive supply chain finance models, students will demonstrate the sensitivity of outcome to multiple independent variables. Last but not least, students will also learn how to apply the net present value technique to evaluate the feasibility of investment projects in supply chain.

0501	Humberto Coronado	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	TuTh 12:00pm - 1:50pm	VMH 1202

BULM710 **Data Driven Decision Making I**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI630, BULM758X or BULM710. Formerly: BULM758X.

Analytical modeling of business decisions; uncertainty, risk and expected utility; regression modeling to infer relationships among variables.

0501	Sujin Kim	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	MW 2:00pm - 3:50pm	VMH 1330
	Contact instructor or department for details.	

BULM711 **Data Driven Decision Making II**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI630, BULM758Y or BULM711. Formerly: BULM758Y.

Analytical modeling of business decisions; uncertainty, risk and expected utility; regression modeling to infer relationships among variables.

0501	Maria Bardossy	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	TuTh 2:00pm - 3:50pm	VMH 1202

BULM721 **Global Supply Chain Management**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI672 or BULM721.

Offers a practical blueprint for understanding, building, implementing, and sustaining supply chains in today's rapidly changing global supply chain environment. It will provide the student with a survey of the fast-moving Supply Chain Management discipline and practice, including the evolution of supply chain strategies, business models and technologies; current best practices in demand and supply management; and methodologies for conducting supply chain-wide diagnostic assessments and formulating process improvement plans.

0501	Humberto Coronado	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	TuTh 4:00pm - 5:50pm	VMH 1511

BULM742 **Global Supply Chain Resources Planning**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.

Provides students with an overall understanding of how firms use an advanced supply chain planning (ASCP) application as an integral part of their materials management process which includes such activities as production planning, materials requirements planning, and distribution requirements planning.

0501	Philip Evers	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	MW 2:00pm - 3:50pm	VMH 1520

BULM750 **Lean Sigma for Supply Chain I**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BULM758L or BULM750. Formerly: BULM758L.

This course is part of a series of courses. This the second part of the Lean Six Sigma for SC Managers course series. We will be focusing on the Analyze, Improve and Control phases of the Lean Six Sigma methodology. Lean Six Sigma is a robust methodology for problem solving aiming to improve quality and reduce speed within a process. This course covers up to the Lean and Six Sigma Green Belt level body of knowledge. You will be expected to conduct a project on a case study of a business looking to improve their processes to meet customer requirements.

0501	Jewelyn Harrington	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	M 6:25pm - 10:00pm Contact instructor or department for details.	VMH 1520

BULM751 **Lean Sigma for the Supply Chain II**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: BULM750. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BULM758V or BULM751. Formerly: BULM758V.

This course is part of a series of courses. The first part will cover the Introduction, Define and Measure Phases of the Lean Six Sigma Methodology. Lean Six Sigma is a robust methodology for problem solving aiming to improve quality and reduce speed within a process. This course covers up to the Lean and Six Sigma Green Belt level body of knowledge. You will be expected to conduct a project on a case study of a business looking to improve their processes to meet customer requirements.

0501	Jewelyn Harrington	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	M 6:25pm - 10:00pm	VMH 1520

BULM756 **Supply Chain Strategy**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BULM758B or BULM756. Formerly: BULM758B.

Examines supply chain management at the strategic level. Through class lectures, case discussions, and assignments, students first learn about the determinants of corporate strategy. Supply chain strategies are then discussed, along with the need to properly align supply chain strategy with corporate strategy. Finally, there is a discussion of how to implement supply chain strategy, given various environmental and market considerations.

0501	Martin Dresner	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	MW 4:00pm - 5:50pm	VMH 1511

BULM758C **Special Topics in Logistics, Business and Public Policy; Assessing & Managing Supply Chain Risks**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in logistics, business and public policy.

0501	Hongyi Zhang	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	TuTh 2:00pm - 3:50pm	VMH 3522

BULM758F **Special Topics in Logistics, Business and Public Policy; Sustainable Supply Chain Management**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in logistics, business and public policy.

0501	Jonathan Crocker	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	TuTh 4:00pm - 5:50pm	VMH 1202

BULM758P **Special Topics in Logistics, Business and Public Policy; Policy and Legal Context for Sustainability Management**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in logistics, business and public policy.

0501	Jonathan Crocker	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	MW 10:00am - 11:50am	VMH 1202

BULM758Z **Special Topics in Logistics, Business and Public Policy; Strategic Management with a Sustainable Mindset**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in logistics, business and public policy.

0501	Nima Farshchi	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	TuTh 12:00pm - 1:50pm	VMH 2505

BULM759 **Independent Study in Logistics Management**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Logistics Management.

Contact department for information to register for this course.

BUMK Marketing Fall 2025

BUMK720 **Marketing Strategy**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of BMGT-Robert H. Smith School of Business; or must be in Business and Management (Master's) program. Credit only granted for: BUMK758B or BUMK720. Formerly: BUMK758B.

Introduces students to the fundamentals of marketing. This course combines lectures, readings, case analyses and a competitive simulation. A significant part of the course involves a competitive computer-based simulation in which student teams leverage marketing data and metrics to make marketing decisions for an organization that is competing in a market against other student teams in the class.

Courses with the BUMK prefix are offered only for students in the MS in Marketing Analytics program. Cross-listed with BDBA858M. Credit only granted for BUMK720 or BDBA858M.

0501	Judy Frels	Seats (Total: 0)
	Meets August 25, 2025 - December 12, 2025	
	TuTh 5:00pm - 6:15pm	VMH 1520

BUMK724 **Customer Analysis**

(Perm req) Credits: 3 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUMK758D or BUMK724. Formerly: BUMK758D.

Focuses on the analysis of customer decision-making and how marketing strategy can be used to influence those decisions. The framework used is the buyer behavior model, in which concepts from psychology, sociology, and economics are applied to individual and organizational purchase decisions. Marketing strategies of leading firms in consumer products, technology, and services (including internet services) are analyzed using a variety of case study formats.

Cross-listed with BDBA858A. Credit only granted for BUMK724 or BDBA858A.

0501	Ali Faraji-Rad	Seats (Total: 0)
	Meets August 25, 2025 - December 12, 2025	
	MW 12:30pm - 1:45pm	VMH 2202

BUMK726 **Statistical Programming for Customer Analytics**

(Perm req) Credits: 3 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUMK758E or BUMK726. Formerly: BUMK758E.

Provides students with a foundation in probability and statistics with a focus on business applications. It also gives students a foundation for thinking in both likelihood and Bayesian frameworks. The course teaches students the basics of SAS, as well as its use in statistical analysis and statistical programming. Also addressed are basic SAS language structure, data management, OLAP, enterprise miner, statistical analysis, writing procedures.

0501	Jason Choi	Seats (Total: 0)
	Meets August 25, 2025 - December 12, 2025	
	TuTh 2:00pm - 3:15pm	VMH 1412

BUMK742 **Marketing Analytics for Consulting**

(Perm req) Credits: 3 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUMK758K or BUMK742. Formerly: BUMK758K.

The analysis of marketing data needed for profitable marketing decisions. Advanced methods of marketing analysis for marketing decisions, including choice and count data models, joint analysis of consumers choice, quantity and timing decisions, mixture and mixture regression models, and conjoint analysis, all using data-based cases and SAS software. Applications are in the areas of strategic marketing, marketing segmentation, eye tracking for advertising effectiveness, new product development, sales promotion analysis, pricing, design of marketing mix, and direct marketing.

Cross listed with BDBA858Z. Credit granted for only BUMK742 or BDBA858Z.

0501	Michel Wedel	Seats (Total: 0)
	Meets August 25, 2025 - December 12, 2025	
	W 7:00pm - 9:40pm	VMH 1412

BUMK758G **Special Topics in Marketing**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

Cross-listed with BDBA858K. Credit only granted for BDBA858K or BUMK758G.

0501	Melissa Lucas	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	MW 4:00pm - 5:50pm	VMH 1520

BUMK759 **Independent Study in Marketing**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Marketing.

Contact department for information to register for this course.

BUMK760 **Business Policies and Ethics**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUMK758F or BUMK760. Formerly: BUMK758F.

The standards of business conduct, morals and values as well as the role of business in society. Students will consider the sometimes conflicting interests of and claims on the firm and its objectives.

Cross-listed with BDBA858B. Credit only granted for BUMK760 or BDBA858B.

0501	Mary Beth Furst	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	MW 4:00pm - 5:50pm	VMH 1520

BUMK766 **Digital Analytics**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUMK758N or BUMK766. Formerly: BUMK758N.

Examines the process of developing, implementing and analyzing strategies for successfully marketing a variety of existing and potential products and services on the Internet. Special attention is devoted to the tools and techniques unique to the electronic media.

0501	Michael Trusov	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	TuTh 10:00am - 11:50am	VMH 1202

BUMK773 **Pricing Analytics and Strategies**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUMK758J or BUMK773. Formerly: BUMK758J.

The economic and behavioral aspects of pricing and the evaluation of innovative pricing practices such as price matching, customized pricing, bundle pricing and product line pricing. The course will cover both B2B, B2C, online and offline markets. Instruction will be through a mix of case studies, pricing simulation games, hands-on exercises, practitioner guest lectures and discussions.

0501	Bobby Zhou	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	TuTh 10:00am - 11:50am	VMH 1520

BUSI Part-Time MBA Program Fall 2025

BUSI611 **Managerial Accounting**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: BUSI610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUSI611, BUAC616, or BMGT616.

Use of accounting data in corporate planning and control. Cost-volume- profit analysis, budgeting, pricing decisions and cost data, transfer pricing, activity-based management, performance measures, and standard costing.

BA01	Naman Desai **Meets August 25, 2025 - October 10, 2025** M 6:25pm - 10:00pm	Seats (Total: 0) BA 103
DC01	Naman Desai **Meets August 25, 2025 - October 10, 2025** Tu 6:25pm - 10:00pm Contact instructor or department for details.	Seats (Total: 0) DC C2
GS01	Naman Desai **Meets August 25, 2025 - October 10, 2025** Th 6:25pm - 10:00pm	Seats (Total: 0) BLD4 5308

BUSI634 **Operations Management**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI634 or BMGT624.

Operations management is concerned with efficient and effective design and operation of business processes for delivering products and/or services. Emphasis is given to process analysis and design, capacity management and bottlenecks, waiting lines and the impact of uncertainty in process performance, quality management, lean, six-sigma, and revenue management.

BA01	Robert Hoffman **Meets October 20, 2025 - December 12, 2025** M 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Suresh Acharya **Meets October 20, 2025 - December 12, 2025** Tu 6:25pm - 10:00pm Contact instructor or department for details.	Seats (Total: 0) DC C3

GS01	Suresh Acharya **Meets October 20, 2025 - December 12, 2025** Th 6:25pm - 10:00pm	Seats (Total: 0) BLD4 5308

BUSI650 **Marketing Management**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUSI650 or BMGT612.

Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets.

BA01	Dan Goldsmith **Meets October 20, 2025 - December 12, 2025** Th 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Cathy Yi Chen **Meets October 20, 2025 - December 12, 2025** M 6:25pm - 10:00pm	Seats (Total: 0) DC C2
GS01	Judy Frels **Meets October 20, 2025 - December 12, 2025** W 6:25pm - 10:00pm	Seats (Total: 0) BLD4 5308

BUSI662 **Leadership and Teamwork**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT600, BUSI662, or BUSM600.

Course examines concepts of team-building and leadership which are critical to managerial success. Topics include leadership, decision making, communication and conflict, work motivation, building effective teams, and organizational change and culture.

BA01	Subrahmaniam Tangirala **Meets August 25, 2025 - October 10, 2025** Th 6:25pm - 10:00pm	Seats (Total: 0) BA 104

DC01	Subrahmaniam Tangirala **Meets August 25, 2025 - October 10, 2025** M 6:25pm - 10:00pm Contact instructor or department for details.	Seats (Total: 0) DC C2
GS01	Subrahmaniam Tangirala **Meets August 25, 2025 - October 10, 2025** W 6:25pm - 10:00pm	Seats (Total: 0) BLD4 5308

BUSI681 **Managerial Economics and Public Policy**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUSI681 or BMGT604.

Basic microeconomic principles used by firms, including supply and demand, elasticities, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations.

BA01	Bennet Zelner **Meets August 25, 2025 - October 10, 2025** Tu 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Bennet Zelner **Meets August 25, 2025 - October 10, 2025** W 6:25pm - 10:00pm	Seats (Total: 0) DC C3
GS01	Bennet Zelner **Meets August 25, 2025 - October 10, 2025** M 6:25pm - 10:00pm Contact instructor or department for details.	Seats (Total: 0) BLD4 5308

BUSI710 **Competitive and Collaborative Negotiation**

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program OR Permission of BMGT-Robert H. Smith School of Business.

Increase negotiating self-confidence and improve capacity to achieve win-win solutions to organizational problems. Improve effectiveness at finding creative solutions to conflict.

BA01	Gosia Langa Basit **Meets October 20, 2025 - December 12, 2025** W 6:25pm - 10:00pm Contact instructor or department for details.	Seats (Total: 45) Location: TBA
DC01	Rellie Rozin **Meets October 20, 2025 - December 12, 2025** Th 6:25pm - 10:00pm	Seats (Total: 45) Location: TBA

BUSI718D **Special Topics in Business; Data Driven Analytics**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

BA01	Ram Balasubramanian **Meets October 20, 2025 - December 12, 2025** Tu 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Ram Balasubramanian **Meets October 20, 2025 - December 12, 2025** W 6:25pm - 10:00pm	Seats (Total: 0) DC C2
GS01	Ram Balasubramanian **Meets October 20, 2025 - December 12, 2025** M 6:25pm - 10:00pm	Seats (Total: 0) BLD4 5308

BUSI758F **Special Topics in Business; Investment Fund Management**

(Perm req)

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

DC01	Kenneth Fuller **Meets August 25, 2025 - December 12, 2025** Th 6:25pm - 10:00pm	Seats (Total: 0) Location: TBA

BUSI759 **Independent Study in Business**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Business.

Contact department for information to register for this course.

BUSI781 **Marketing Emergent Technology**

Credits: 1 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith.

The many challenges and best practices of successfully marketing emergent technologies. The course will begin with a discussion of past successes and failures in marketing emergent technologies; followed by a study of the effective approaches and frameworks that help technology managers identify and understand customer needs. We will then focus on analyzing how the identified customer needs can guide design and development of emergent technologies. We will subsequently turn our attention to understanding how to translate customer needs and market conditions into effectively positioning our emergent technologies, with the intent of maximizing success when going to market.

Cross-listed with BDBA858L. Credit granted only for BUSI781 or BDBA858L.

DC06	Yogesh Joshi	Seats (Total: 50)
	Meets November 16, 2025 - December 13, 2025	
	Sa 9:00am - 5:00pm	DC C3
	Meets in-person on 11/22 and 12/6.	

BUSI788B **Introduction to Global Business Experience; Doing Business in Brazil: Addressing Grand Challenges Through the Private Sector**

Credits: 2 Grading Method: Regular

Introduction to the economic climate of the country and region, history, political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.

Cross-listed with BUSM788B, BUSO788B, and EMBA788B. Credit only granted for BUSI788B, BUSM788B, BUSO788B, or EMBA788B.

GX01	Paulo Prochno	Seats (Total: 35)
	Meets October 20, 2025 - December 12, 2025	
	Su 12:00pm - 1:00pm Contact instructor or department for details.	Location: TBA

BUSI788W **Introduction to Global Business Experience; Doing Business in Asia: Supply Chain Challenges and Opportunities**

Credits: 2 Grading Method: Regular

Introduction to the economic climate of the country and region, history, political influences on business landscape, and specific opportunities and threats of doing business in the destination country. Course is a prerequisite to short-term study abroad classes.

Cross-listed with BUSM788W, BUSO788W, and EMBA788W. Credit only granted for BUSI788W, BUSM788W, BUSO788W, or EMBA788W.

GX01	Zhi-Long Chen **Meets October 20, 2025 - December 12, 2025** Su 12:00pm - 1:00pm Contact instructor or department for details.	Seats (Total: 25) VMH 1333

BUSI791 Research and Development Strategy and Process

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith School of Business.

This course will educate technology management professionals on contemporary strategy, management approaches, and best-practices for research and development. The course will focus on private sector methods to manage technology programs, identify and specify technical requirements, communicate technology use and value, and assess new technologies and architectures. It will include instruction on technology scouting and assessing Technology Readiness Levels (TRLs). Through engagement with experts in creating and managing technology, students will also be exposed to human and behavioral factors that can influence technology adoption in the commercial and public sector.

DC06	Joseph Bailey **Meets August 25, 2025 - October 4, 2025** Sa 9:00am - 5:00pm *Meets in-person on 8/30, 9/13, and 9/27.*	Seats (Total: 50) DC C3

BUSI793 Technology Entrepreneurship, Innovation and Commercialization

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith School of Business.

Best practices and challenges in organizing and cultivating new ideas into successful public and private sector technology ventures. The course provides an integrated strategic framework for innovation-based entrepreneurs and technology professionals. It will be structured to provide a deep understanding of the core strategic choices facing startup innovators, a synthetic framework for the development and implementation of entrepreneurial strategy in dynamic environments, and the ability to scale those ventures over time. A central theme of the course is that, to achieve competitive advantage, technology entrepreneurs must balance the process of experimentation and learning inherent to both technological advance and entrepreneurship, with the selection and implementation of a strategy that establishes a competitive advantage. The course identifies the key choices entrepreneurs make to take advantage of a novel opportunity and the logic of particular strategic commitments and positions that allow entrepreneurs to establish a competitive advantage.

DC06	Brent Goldfarb	Seats (Total: 50)
	Meets October 5, 2025 - November 15, 2025	
	Sa 9:00am - 5:00pm	Location: TBA
	Meets in-person on 10/18, 10/25, and 11/8.	

BUSI799 **Masters Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

BUSM Full-Time MBA Program Fall 2025

Courses with the BUSM prefix are offered only for students in the full- time MBA program.

BUSM600 **Leadership and Teamwork**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT600, BUSI662 or BUSM600.

Course examines concepts of team-building and leadership which are critical to managerial success. Topics include leadership, decision making, communication and conflict, work motivation, building effective teams, and organizational change and culture.

0101	Nicole Coomber	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	TuTh 10:00am - 11:50am	VMH 2202

BUSM602 **Introduction to Financial Accounting**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI610 or BUSM602.

Overview of financial accounting, periodic financial statements and the financial reporting process. Importance of financial statements as information source for creditors and investors and as a means by which managers can communicate information about their firms.

0101	Nick Seybert	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	MW 10:00am - 11:50am Contact instructor or department for details.	VMH 1333

BUSM604 **Managerial Economics and Public Policy**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI681 or BUSM604.

Basic microeconomic principles used by firms, including supply and demand, elasticities, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations.

0101	Rachelle Sampson	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	MW 12:00pm - 1:50pm Contact instructor or department for details.	VMH 1330

BUSM606 **Data Driven Decision Making**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI630 or BUSM606.

Analytical modeling of business decisions; uncertainty, risk and expected utility; regression modeling to infer relationships among variables.

0101	Tunay Tunca	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	TuTh 2:00pm - 3:50pm	VMH 2505

BUSM612 **Marketing Management**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI650 or BUSM612.

Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets.

0101	Judy Frels	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	MW 12:00pm - 1:50pm	VMH 1333

BUSM616 **Managerial Accounting**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: BUSI610. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI611 or BUSM616.

Use of accounting data in corporate planning and control. Cost-volume- profit analysis, budgeting, pricing decisions and cost data, transfer pricing, activity-based management, performance measures, and standard costing.

0101	Naman Desai	Seats (Total: 0)
	Meets October 20, 2025 - December 12, 2025	
	TuTh 4:00pm - 5:50pm	VMH 1333

BUSM621 **Digital Transformation in Business**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business.

Introduces students to the strategic role of digital transformation within businesses, and provides an overview for how major information technologies may be used to inform and transform the firm's strategic, operational, and tactical decisions. Topics discussed in the course include the strategic use of digital technologies to generate sustainable competitive value; the contributions of new forms of technology infrastructure; the evaluation of new technology investments and the resulting ROI; acquiring, managing and governing technological capabilities within the firm; understanding the role of enterprise systems and social technologies within the firm; and the management of disruptive technologies within and outside the firm.

0101	Il-Horn Hann	Seats (Total: 0)
	Meets August 25, 2025 - October 10, 2025	
	TuTh 2:00pm - 3:50pm	VMH 2202

BUSM706 **Innovation & Product Development**

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUMO758P or BUSM706.

Focuses on the development of innovations - new products or new services - from the perspective of a marketer. For an innovation to be successful in the market, it has to be customer-centric: hence, in this course, we study how to develop and bring to market elegant and efficient solutions to strong customer needs. This is a fundamental business challenge, faced while working in a startup or in an established company; when developing a new product or a new service; and when serving customers who are individuals or large corporations.

Cross-listed with BDBA858P. Credit only granted for BUSM706 or BDBA858P.

0101	Yogesh Joshi	Seats (Total: 35)
	Meets October 20, 2025 - December 12, 2025	
	TuTh 10:00am - 11:50am	VMH 2505

BUSM708 **Independent Study in Business**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Independent study for Masters students in Business.

Contact department for information to register for this course.

BUSM715 **Digital Marketing**

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program OR Permission of BMGT-Robert H. Smith School of Business.

It has been a quarter century since the commercial use of the Internet and the World Wide Web began and during that time the business landscape has changed at a frenetic pace. Large multinational corporations such as Alphabet/Google, Facebook, Amazon, Alibaba and eBay, unheard of twenty years ago, have emerged as key players in our modern economy. In 2017 holiday season, online sales increased over 16 percent of overall spending online in 2016 with online retail spending in the U.S., the highest percentage since tracking began in 1999. Sales made through mobile devices have increased at a rapid rate to around 22 to 40 percent of all online sales. Corporations now highlight the importance of creating a digital relationship with customers. Moreover, digital technologies and devices such as smartphones, smart products, the Internet of Things, Artificial Intelligence, and deep learning all promise significant transformations of consumers lives in the near future. It is against this backdrop this course seeks to understand how the developments in digital technology are re-shaping the process and the strategy of marketing in the broad space we call digital marketing.

0101	Pallassana Kannan	Seats (Total: 35)
	Meets August 25, 2025 - October 10, 2025	
	MW 2:00pm - 3:50pm	VMH 2505
	Contact instructor or department for details.	

BUSM738A **Investment Fund Management; Mayer Fund**

(Perm req)

Credits: 3 Grading Method: Regular

Provides second-year Master in Business Administration students with the opportunity to apply the skills learned in finance classes to actual investment decisions through management of an investment fund.

Contact department for information to register for this course.

BUSM754 **Competitive and Collaborative Negotiation**

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUMO714 or BUSM754.

Increase negotiating self-confidence and improve capacity to achieve win-win solutions to organizational problems. Improve effectiveness at finding creative solutions to conflict.

0101	Vijaya Venkataramani	Seats (Total: 50)
	Meets October 20, 2025 - December 12, 2025	
	MW 12:00pm - 1:50pm	VMH 1330
	Contact instructor or department for details.	

BUSM758J **Special Topics in Business; Financial Management I**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

0101	Richmond Mathews **Meets August 25, 2025 - October 10, 2025** TuTh 4:00pm - 5:50pm	Seats (Total: 0) VMH 1333

BUSM758N **Special Topics in Business; Managing Change**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

0101	Sheetal Singh **Meets August 25, 2025 - October 10, 2025** MW 10:00am - 11:50am	Seats (Total: 35) VMH 1330

BUSM758P **Special Topics in Business; Financial Management II**

(Perm req)

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

0101	Richmond Mathews **Meets October 20, 2025 - December 12, 2025** TuTh 2:00pm - 3:50pm	Seats (Total: 0) VMH 1333

BUSM758S **Special Topics in Business; Investments**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

0101	Mark Loewenstein **Meets August 25, 2025 - October 10, 2025** MW 4:00pm - 5:50pm	Seats (Total: 50) VMH 1330

BUSM758V **Special Topics in Business; Designing AI Systems**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Cross-listed with BDBA808C. Credit only granted for BDBA808C or BUSM758V.

0101	Kunpeng Zhang	Seats (Total: 50)
	Meets August 25, 2025 - October 10, 2025	
	TuTh 10:00am - 11:50am	VMH 1202

BUSM758W **Special Topics in Business; Marketing in the Age of AI**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Cross-listed with BDBA858N. Credit only granted for BDBA858N or BUSM758W.

0101	Wendy Moe	Seats (Total: 50)
	Meets October 20, 2025 - December 12, 2025	
	MW 2:00pm - 3:50pm	VMH 1511

BUSM788B **Global Business Experience; Doing Business in Brazil: Addressing Grand Challenges Through the Private Sector**

Credits: 2 Grading Method: Regular

Provides MBA students the opportunity to combine classroom learning and project research with seminars in a host country. The focus and locations visited will vary.

Cross-listed with BUSI788B, BUSO788B, and EMBA788B. Credit only granted for BUSI788B, BUSM788B, BUSO788B, or EMBA788B.

GX01	Paulo Prochno	Seats (Total: 35)
	Meets October 20, 2025 - December 12, 2025	
	Su 12:00pm - 1:00pm Contact instructor or department for details.	Location: TBA

BUSM788W **Global Business Experience; Doing Business in Asia: Supply Chain Challenges and Opportunities**

Credits: 2 Grading Method: Regular

Provides MBA students the opportunity to combine classroom learning and project research with seminars in a host country. The focus and locations visited will vary.

Cross-listed with BUSI788W, BUSO788W, and EMBA788W. Credit only granted for BUSI788W, BUSM788W, BUSO788W, or EMBA788W.

GX01	Zhi-Long Chen **Meets October 20, 2025 - December 12, 2025** Su 12:00pm - 1:00pm Contact instructor or department for details.	Seats (Total: 25) VMH 1333

BUSM798C **Business Consulting; Technology and Entrepreneurship**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

0101	Brent Goldfarb **Meets August 25, 2025 - October 10, 2025** MW 12:00pm - 1:50pm	Seats (Total: 45) VMH 1202

BUSO Online MBA Program Fall 2025

BUSO600 **Leadership and Teamwork**

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI662, BUSO600 or EMBA656.

Course examines concepts of team-building and leadership which are critical to managerial success. Topics include leadership, decision making, communication and conflict, work motivation, building effective teams, and organizational change and culture.

SO11	Neta Moye **Meets August 25, 2025 - October 10, 2025** Tu 6:30pm - 8:00pm Class time/details on ELMs	Seats (Total: 40) ONLINE ONLINE
SO12	Neta Moye **Meets August 25, 2025 - October 10, 2025** Tu 8:15pm - 9:45pm Class time/details on ELMs	Seats (Total: 40) ONLINE ONLINE

BUSO603 **Data Analysis**

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business.

Many different skills are required in arriving at informed managerial decisions. Among these are analytical and quantitative skills. Data Analysis is one in a sequence of two courses that seeks to develop these two important skills. More formally, the goals of this course are: to introduce basic statistical techniques: summarizing and presenting data; confidence intervals and hypothesis tests; regression analysis.; to implement these techniques using spreadsheets; and to become active users of data analysis in making managerial decisions.

SO11	Ilya Ryzhov **Meets October 20, 2025 - December 12, 2025** Th 6:30pm - 8:00pm Class time/details on ELMs	Seats (Total: 42) ONLINE ONLINE
SO12	Ilya Ryzhov **Meets October 20, 2025 - December 12, 2025** Th 8:15pm - 9:45pm Class time/details on ELMs	Seats (Total: 42) ONLINE ONLINE

BUSO604 Managerial Economics and Public Policy

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: EMBA681 or BUSO604.

Basic microeconomic principles used by firms, including supply and demand, elasticities, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations.

SO11	Rachelle Sampson **Meets August 25, 2025 - October 10, 2025** Th 6:30pm - 8:00pm Class time/details on ELMs	Seats (Total: 38) ONLINE ONLINE
SO12	Rachelle Sampson **Meets August 25, 2025 - October 10, 2025** Th 8:15pm - 9:45pm Class time/details on ELMs	Seats (Total: 38) ONLINE ONLINE

BUSO612 Marketing Management

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: EMBA757 or BUSO612.

Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets.

SO11	Henry Boyd **Meets October 20, 2025 - December 12, 2025** Tu 6:30pm - 8:00pm Class time/details on ELMs	Seats (Total: 42) ONLINE ONLINE
SO12	Henry Boyd **Meets October 20, 2025 - December 12, 2025** Tu 8:15pm - 9:45pm Class time/details on ELMs	Seats (Total: 42) ONLINE ONLINE

BUSO616 Managerial Accounting

Credits: 2 Grading Method: Regular

Prerequisite: BUSI610; or BUSO602; or BUSM602. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI611, BUSM616 or BUSO616.

Use of accounting data in corporate planning and control. Cost-volume- profit analysis, budgeting, pricing decisions and cost data, transfer pricing, activity-based management, performance measures, and standard costing.

SO31	Sue Cooper **Meets August 25, 2025 - October 10, 2025** W 6:30pm - 8:00pm	Seats (Total: 49) ONLINE
SO32	Sue Cooper **Meets August 25, 2025 - October 10, 2025** W 8:15pm - 9:45pm	Seats (Total: 49) ONLINE

BUSO624 Operations Management

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI634, BUSM624 or BUSO624.

Operations management is concerned with efficient and effective design and operation of business processes for delivering products and/or services. Emphasis is given to process analysis and design, capacity management and bottlenecks, waiting lines and the impact of uncertainty in process performance, quality management, lean, six-sigma, and revenue management.

SO31	Suresh Acharya **Meets October 20, 2025 - December 12, 2025** W 6:30pm - 8:00pm Class time/details on ELMs	Seats (Total: 45) ONLINE ONLINE
SO32	Suresh Acharya **Meets October 20, 2025 - December 12, 2025** W 8:15pm - 9:45pm Class time/details on ELMs	Seats (Total: 45) ONLINE ONLINE

BUSO700 Fundamentals of Business

Credits: 2 Grading Method: Sat-Fail

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H Smith School of Business.

This course introduces students to the language of business. Topics covered include financial accounting, financial management, data models, strategy, leadership and teamwork, and a brief action learning project on innovation. Pre-work includes the DISC assessment, and a requires a passing grade on a spreadsheet pre-work course.

SO91	Paulo Prochno **Meets August 16, 2025 - September 5, 2025** SaSu 8:00am - 8:00pm Contact instructor or department for details. *Meets in person 8/16 and 8/17 in College Park.*	Seats (Total: 0) Location: TBA

BUSO711 Executive Powers and Negotiation

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUMO714, BUSM754 or BUSO711.

Increase negotiating self-confidence and improve capacity to achieve win-win solutions to organizational problems. Improve effectiveness at finding creative solutions to conflict.

Cross-listed with BDBA868G. Credit granted only for BUSO711 or BDBA868G.

SO31	Vijaya Venkataramani **Meets October 20, 2025 - December 12, 2025** M 6:30pm - 8:00pm Class time/details on ELMs	Seats (Total: 30) ONLINE ONLINE
SO32	Vijaya Venkataramani **Meets October 20, 2025 - December 12, 2025** M 8:15pm - 9:45pm Class time/details on ELMs	Seats (Total: 30) ONLINE ONLINE
SO33	Gosia Langa Basit **Meets October 20, 2025 - December 12, 2025** Tu 6:30pm - 8:00pm Class time/details on ELMs	Seats (Total: 30) ONLINE ONLINE
SO34	Vijaya Venkataramani **Meets October 20, 2025 - December 12, 2025** Tu 6:30pm - 8:00pm	Seats (Total: 30) ONLINE

BUSO731 **Social Media and Web Analytics**

Credits: 2 Grading Method: Regular

Prerequisite: BUSM612; or BUSO612; or BUSI650. Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUMK758O, BUSO731 or BUSM716.

Examines the process of developing, implementing, and analyzing strategies for successfully marketing a variety of existing and potential products and services using electronic media. Besides well-established Internet marketing tools such as e-mail, search engines and display advertising, a substantial part of the course is dedicated to understanding social media, analyzing successful social media strategies, and tracking their effectiveness. The course offers hands-on experience with many popular as well as emerging techniques unique to electronic media. Special attention is given to metrics appropriate for the new media.

Cross-listed with BDBA858J. Credit only granted for BDBA858J or BUSO731.

SO51	Tejwansh Anand	Seats (Total: 53)
	Meets October 20, 2025 - December 12, 2025	
	W 6:30pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE

BUSO752 **Innovative Solutions to Supply Chain Challenges**

Credits: 2 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business.

This course is designed to provide you with practical challenges to implement innovative and effective actions to achieve the goalof enhanced supply chain operations. You will be challenged to function as a supply chain executive in charge of major decisions.The course is designed to be a mix of action-focused learning combined with some very recent and interesting examples of howcompanies are addressing their own supply chain challenges in innovative ways.

SO51	Martin Dresner	Seats (Total: 35)
	Meets October 20, 2025 - December 12, 2025	
	Th 6:30pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE

BUSO758G **Special Topics in Business; Financial Restructuring**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

SO51	James Seward	Seats (Total: 35)
	Meets October 20, 2025 - December 12, 2025	
	Tu 8:15pm - 9:45pm	ONLINE
	Class time/details on ELMs	ONLINE

BUSO758M **Special Topics in Business; Leading with a Strategic Mindset**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

SO51	Paulo Prochno	Seats (Total: 49)
	Meets August 25, 2025 - October 10, 2025	
	W 6:30pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE

BUSO758T **Special Topics in Business; Valuation in Corporate Finance**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

SO51	Michael Cichello **Meets August 25, 2025 - October 10, 2025** Tu 6:30pm - 8:00pm	Seats (Total: 35) ONLINE

BUSO758W **Special Topics in Business; Innovation & Product Development**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Cross listed with BDBA858P. Credit granted for only BUSO758W or BDBA858P.

SO51	Yogesh Joshi **Meets August 25, 2025 - October 10, 2025** M 8:15pm - 9:45pm	Seats (Total: 38) ONLINE
SO52	Yogesh Joshi **Meets August 25, 2025 - October 10, 2025** W 6:30pm - 8:00pm	Seats (Total: 35) ONLINE

BUSO758X **Special Topics in Business; Digital Promotion and Advertising**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Cross listed with BDBA858X. Credit granted for only BUSO758X or BDBA858X.

SO51	Pallassana Kannan **Meets August 25, 2025 - October 10, 2025** Th 6:30pm - 8:00pm	Seats (Total: 49) ONLINE

BUSO788B **Business Consulting; Doing Business in Brazil: Addressing Grand Challenges Through the Private Sector**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Cross-listed with BUSI788B, BUSM788B, and EMBA788B. Credit only granted for BUSI788B, BUSM788B, BUSO788B, or EMBA788B.

GX01	Paulo Prochno	Seats (Total: 35)
	Meets October 20, 2025 - December 12, 2025	
	Su 12:00pm - 1:00pm Contact instructor or department for details.	Location: TBA

BUSO788W **Business Consulting; Doing Business in Asia: Supply Chain Challenges and Opportunities**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Cross-listed with BUSI788W, BUSM788W, and EMBA788W. Credit only granted for BUSI788W, BUSM788W, BUSO788W, or EMBA788W.

GX01	Zhi-Long Chen	Seats (Total: 25)
	Meets October 20, 2025 - December 12, 2025	
	Su 12:00pm - 1:00pm Contact instructor or department for details.	VMH 1333

CBMG Cell Biology & Molecular Genetics Fall 2025

CBMG688C **Special Topics in Cell Biology and Molecular Genetics**

Credits: 3 Grading Method: Regular, Audit

Presentation and discussion of fundamental problems and special subjects in the topics of Cell Biology and Molecular Genetics.

(Sponsoring Dept: CBMG). Specialization Areas: PHNB, CEBG, and GENB. Cross-listed with BSCI420. Credit only granted for BSCI420 or CBMG688C.

0101	Ji Choi, Norma Andrews	Seats (Total: 70)
	TuTh 12:30pm - 1:45pm	MCB 1207

CBMG688D **Special Topics in Cell Biology and Molecular Genetics; Genetics: Cell Biology I - Structure and Function**

Credits: 2 Grading Method: Regular, Audit

Presentation and discussion of fundamental problems and special subjects in the topics of Cell Biology and Molecular Genetics.

0101	Wenxia Song, Sougata Roy **Meets October 23, 2025 - December 12, 2025** TuTh 4:00pm - 6:00pm	Seats (Total: 30) MCB 1123

CBMG688J **Special Topics in Cell Biology and Molecular Genetics; Genetics: Immunology and Host Defense**

Credits: 2 Grading Method: Regular, Audit

Presentation and discussion of fundamental problems and special subjects in the topics of Cell Biology and Molecular Genetics.

0101	David Mosser, Roy Mariuzza **Meets September 2, 2025 - October 17, 2025** MW 4:00pm - 5:50pm Contact instructor or department for details.	Seats (Total: 12) BRB 3101

CBMG688K **Special Topics in Cell Biology and Molecular Genetics; Genetics: Molecular Virology**

Credits: 2 Grading Method: Regular, Audit

Presentation and discussion of fundamental problems and special subjects in the topics of Cell Biology and Molecular Genetics.

0101	Jeffrey DeStefano, Margaret Scull **Meets October 20, 2025 - December 12, 2025** MW 3:00pm - 5:00pm	Seats (Total: 20) MCB 1123

CBMG688M **Special Topics in Cell Biology and Molecular Genetics; Microbial Genetics**

Credits: 2 Grading Method: Regular, Audit, Sat-Fail

Presentation and discussion of fundamental problems and special subjects in the topics of Cell Biology and Molecular Genetics.

0101	Vincent Lee **Meets October 20, 2025 - December 12, 2025** MW 8:00am - 10:00am	Seats (Total: 12) BRB 3101

CBMG699 **Special Problems in Cell Biology and Molecular Genetics**

Credits: 1-3 Grading Method: Regular, Audit

Emphasis is placed on research and discussion of current problems in the area of Cell Biology and Molecular Genetics.

Contact department for information to register for this course.

CBMG699D **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Bioinformatics and Computation Biology**

Credits: 1 Grading Method: Regular, Audit

Emphasis is placed on research and discussion of current problems in the area of Cell Biology and Molecular Genetics.

Contact department or instructor for details.

0101	Brian Pierce	Seats (Total: 20)
	W 12:00pm - 1:00pm	BRB 1103

CBMG699K **Special Problems in Cell Biology and Molecular Genetics; Biological Sciences Teaching and Learning in Higher Education**

(Perm req)

Credits: 2 Grading Method: Regular

Emphasis is placed on research and discussion of current problems in the area of Cell Biology and Molecular Genetics.

Cross-listed with BIOL608K, CHEM608K, and ENTM699K. Credit will be grant edfor only one of the following: BIOL608K, CBMG699K, CHEM608K, or ENTM699K.

0101	Gili Ad-Marbach	Seats (Total: 12)
	W 11:00am - 12:40pm	BPS 1208

CBMG699X **Special Problems in Cell Biology and Molecular Genetics; Host Pathogen Interactions**

Credits: 1 Grading Method: Regular, Audit

Emphasis is placed on research and discussion of current problems in the area of Cell Biology and Molecular Genetics.

0101	David Mosser	Seats (Total: 20)
	F 3:00pm - 4:00pm	ONLINE

CBMG799 **Masters Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Master's Thesis Research in Cell Biology and Molecular Genetics.

Contact department for information to register for this course.

CBMG898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Pre-candidacy Research.

Contact department for information to register for this course.

CBMG899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Doctoral Dissertation Research.

Contact department for information to register for this course.

CCJS Criminology and Criminal Justice Fall 2025

CCJS100 **Introduction to Criminal Justice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS

Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.

0101	Justine Madoo MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 30) LEF 2205 TLF 1103	Discussion
0102	Justine Madoo MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 30) LEF 2205 TWS 0223	Discussion
0103	Justine Madoo MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 30) LEF 2205 JMZ 0103	Discussion
0104	Justine Madoo MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 TLF 1101	Discussion
0105	Justine Madoo MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 30) LEF 2205 JMZ 0103	Discussion
0106	Justine Madoo MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 30) LEF 2205 JMZ 0103	Discussion

0107	Justine Madoo MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 30) LEF 2205 JMZ 0103	Discussion
0108	Justine Madoo MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 TYD 1114	Discussion
0201	Justine Madoo MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 30) LEF 2205 JMZ 0103	Discussion
0202	Justine Madoo MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 30) LEF 2205 TLF 1101	Discussion
0203	Justine Madoo MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 30) LEF 2205 TLF 1101	Discussion
0204	Justine Madoo MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 TMH 0225	Discussion
0205	Justine Madoo MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 30) LEF 2205 JMZ 0103	Discussion
0206	Justine Madoo MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 30) LEF 2205 TWS 1107	Discussion
0207	Justine Madoo MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 30) LEF 2205 TYD 0102	Discussion
0208	Justine Madoo MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 TMH 0225	Discussion

FC01	Madeline Romm MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 50) SYM 0200	

CCJS105 **Introduction to Criminology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

0101	Jessica Morabito MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 30) HJP 0226 KEY 0121	Discussion
0102	Jessica Morabito MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 30) HJP 0226 JMZ 2206	Discussion
0103	Jessica Morabito MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 30) HJP 0226 JMZ 0122	Discussion
0104	Jessica Morabito MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 30) HJP 0226 TYD 0102	Discussion
0105	Jessica Morabito MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 30) HJP 0226 KEY 0121	Discussion
0106	Jessica Morabito MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 30) HJP 0226 JMZ 2206	Discussion
0107	Jessica Morabito MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 30) HJP 0226 JMZ 1122	Discussion
0108	Jessica Morabito MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 30) HJP 0226 KEY 0100	Discussion

0201	Jessica Morabito MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 30) LEF 2205 WDS 0104	Discussion
0202	Jessica Morabito MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 30) LEF 2205 JMZ 0122	Discussion
0203	Jessica Morabito MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 30) LEF 2205 TWS 0223	Discussion
0204	Jessica Morabito MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 ESJ B0322	Discussion
0205	Jessica Morabito MW 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 30) LEF 2205 WDS 0104	Discussion
0206	Jessica Morabito MW 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 30) LEF 2205 TLF 1103	Discussion
0207	Jessica Morabito MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 30) LEF 2205 TWS 0223	Discussion
0208	Jessica Morabito MW 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 KEY 0121	Discussion
FC01	Codey Carr MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 45) VMH 1203	

CCJS200 **Statistics for Criminology and Criminal Justice**

(Perm req) Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSAR

Prerequisite: CCJS100 or CCJS105; and 1 course with a minimum grade of C- from (STAT100, MATH107, MATH111, MATH120, MATH130, MATH135, MATH140). Restriction: Must be in Criminology and Criminal Justice program; or permission of BSOS-Criminology & Criminal Justice department.

Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.

0201	Alan Lehman TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 30) LEF 2205 WDS 0104	Discussion
0202	Alan Lehman TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 30) LEF 2205 WDS 0104	Discussion
0203	Alan Lehman TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 30) LEF 2205 JMZ 0103	Discussion
0204	Alan Lehman TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 30) LEF 2205 JMZ 0122	Discussion
0205	Alan Lehman TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 30) LEF 2205 JMZ 0122	Discussion
0206	Alan Lehman TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 JMZ 0122	Discussion

CCJS225 **Responses to Violence**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DSSP, SCIS

What are the dimensions of violence in the United States and worldwide, and how has humanity responded to violence? Conflict is unfortunately resolved through violence in a number of settings. It ranges from interpersonal to international in its scope. This course investigates the strengths and weaknesses of a number of resolutions to reducing violence over the course of history using both state centered and informal control.

0101	Min Xie MW 12:30pm - 1:45pm	Seats (Total: 50) VMH 1207
0201	Thomas Abt W 3:00pm - 5:30pm	Seats (Total: 48) LEF 2166

CCJS230 **Criminal Law in Action**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100.

Law as one of the methods of social control. Criminal law: its nature, sources and types; theories and historical developments. Behavioral and legal aspects of criminal acts. Classification and analysis of selected criminal offenses.

0101	Cortney Fisher TuTh 9:30am - 10:45am	Seats (Total: 96) TWS 1100
0201	Russell Hamill W 4:00pm - 6:30pm	Seats (Total: 100) MMH 1400

CCJS300 **Criminological and Criminal Justice Research Methods**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSSP

Prerequisite: CCJS100 and CCJS105; and (PSYC200, CCJS200, ECON321, BMGT230, or SOCY201).

Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

0101	Brett Lacey MW 9:00am - 10:15am	Seats (Total: 48) LEF 2166
0201	Brett Lacey MW 10:30am - 11:45am	Seats (Total: 48) LEF 2166
0301	Alan Lehman TuTh 2:00pm - 3:15pm	Seats (Total: 50) TWS 1107
0401	Alan Lehman TuTh 12:30pm - 1:45pm	Seats (Total: 48) TWS 0236

ESG1	Melissa Cidade	Seats (Total: 30)	
	M 9:30am - 10:45am Class time/details on ELMs	BLD3 2215 ONLINE	Discussion
	Restricted to students in the Criminology & Criminal Justice Program at USG.		

CCJS301 **Fundamentals in Criminal Justice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be enrolled at The Universities at Shady Grove; and must be in the Criminal Justice minor; or by permission of department; and must not be in the Criminology and Criminal Justice major.

Provides an overview of the three major components of the American criminal justice system: police, courts, and corrections. Each component will be explored in its development over time as well as various issues surrounding each component. This course will also cover important issues that are relevant to current debates including race, reentry, technology and crime, juvenile justice, and future directions for criminal justice.

ESG1	Cortney Fisher	Seats (Total: 40)
	Class time/details on ELMs	ONLINE
	Open to all UMD students at USG who are not CCJS majors.	

CCJS318G **Special Topics in Criminology & Criminal Justice; Introduction to Forensic Science**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in various aspects of the field of criminology and criminal justice will be covered.

ESG1	Jennifer Karschner	Seats (Total: 30)
	W 5:00pm - 7:30pm	BLD2 3052
	Restricted to students in the Criminology & Criminal Justice Program at USG. Golden ID students are not eligible for this section.	

CCJS320 **Introduction to Criminalistics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100 and CCJS230.

An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph.

Students must pay a $53.00 lab fee.

0101	Anthony Falsetti Class time/details on ELMs M 6:00pm - 8:00pm	Seats (Total: 24) ONLINE MMH 2401	 Lab
0301	Anthony Falsetti Class time/details on ELMs Tu 6:00pm - 8:00pm	Seats (Total: 24) ONLINE MMH 2401	 Lab

CCJS321 **Computer and Digital Forensics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: CCJS498I or CCJS321. Formerly: CCJS498I.

An introduction to the methods used in the seizure and forensic analysis of computers, cell phones, and other digital evidence. Students will be familiarized with the use of digital evidence in criminal investigations, relevant case law in computer crime and digital evidence, and the challenges faced by law enforcement. Students will be introduced to the computer forensic tools used by today's law enforcement agencies and basic computer/data storage concepts. This course will include some basic practical application of these tools and concepts in a computer lab environment.

ESG1	Lisa Diercks M 2:30pm - 5:00pm *Restricted to students in the Criminology & Criminal Justice Program at USG. Golden ID students are not eligible for this section.*	Seats (Total: 30) BLD3 3211

CCJS325 **Slavery in the Twenty First Century: Combating Human Trafficking**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, SCIS

What is human trafficking and how do we stop it? An introduction to the trafficking of human beings in its historical, legal, economic, political and social contexts. Scope of the global problem, different forms of human trafficking, and regional trends and practices. Roles of government, the international community and individual actors. Strategies to combat trafficking.

0101	Jessica Morabito MWF 11:00am - 11:50am	Seats (Total: 48) TYD 1118

CCJS330 **Contemporary Criminological Issues**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100 and CCJS105.

Topics may include career criminals, prison overcrowding, prediction, ecological studies of crimes, family and delinquency, entrepreneurship in criminal justice and criminology, and similar criminological problems.

ESG1	Edward Pallas Th 12:30pm - 3:00pm	Seats (Total: 30) BLD3 3225
	Restricted to students in the Criminology & Criminal Justice Program at USG. Golden ID students are not eligible for this section.	

CCJS332 **Major Transitions: From Undergraduate to Professional**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Criminology and Criminal Justice program; and sophomore standing or higher.

This course is designed to assist criminology and criminal justice students explore career opportunities. Topics will include: graduate school, law school, career opportunities in federal, state, local, and public agencies, resume writing, and internships.

0101	Shannon Sibel W 1:00pm - 1:50pm	Seats (Total: 30) TYD 1114

CCJS340 **Policing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100.

Critical issues relating to policing. Topics include police discretion, role of police, use of force, misconduct, police research, administration, personnel, and etc.

0101	Selena Price MWF 9:00am - 9:50am	Seats (Total: 50) TYD 2106
0201	Michael Weller TuTh 2:00pm - 3:15pm	Seats (Total: 75) TWS 1100
ESG1	Nicole Romeiser W 11:00am - 1:30pm	Seats (Total: 30) BLD3 3225
	Restricted to students in the Criminology & Criminal Justice Program at USG.	

CCJS342 **Corrections**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100. Restriction: Must be in a major within the BSOS-Criminology & Criminal Justice department. Credit only granted for: CCJS342 or CCJS452.

Examination of the American correctional system. Identification of historical and contemporary themes, issues, and trends. Evaluation of correctional policies, practices and research.

0301	Lauren Porter TuTh 12:30pm - 1:45pm	Seats (Total: 50) TWS 1107
0401	Selena Price MWF 10:00am - 10:50am	Seats (Total: 60) TYD 0117

CCJS345 **Courts and Sentencing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100. Restriction: Must be in a major within the BSOS-Criminology & Criminal Justice department.

Contemporary issues in the American court system such as prosecution, sentencing and punishment. Theoretical perspectives on courtroom decision-making integrated with empirical research. Courts and sentencing processes, including initial charging, pretrial detention and final sentencing outcomes. Innovations in courts and sentencing.

0101	Robert Stewart TuTh 9:30am - 10:45am	Seats (Total: 60) ESJ 2309	
0401	Cortney Fisher TuTh 11:00am - 12:15pm	Seats (Total: 75) TWS 1100	
ESG1	Carlotta Woodward M 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 30) BLD3 3225 ONLINE	Discussion

Restricted to students in the Criminology & Criminal Justice Program at USG.

CCJS346 **Domestic Violence**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100. Credit only granted for: CCJS346 or CCJS498Y. Formerly: CCJS498Y.

A thorough and critical examination of family violence. Topics include the historical background to family violence, methods of studying this serious issue, elder abuse, child abuse, the cultural factors involved in intimate partner violence, violence in same-sex relationships, and the criminal justice response to family violence. Although the course focuses on the American family, illustrations from other cultures are provided.

0101	Nicole Romeiser TuTh 12:30pm - 1:45pm	Seats (Total: 48) TYD 2109

CCJS352 **Drugs and Crime**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100.

An analysis of the role of criminal justice in the control of drug use and abuse.

0101	Brett Lacey TuTh 11:00am - 12:15pm	Seats (Total: 50) SQH 1117
ESG1	Wendy Stickle, Alan Drew, Brett Lacey Tu 9:30am - 12:00pm *Restricted to students in the Criminology & Criminal Justice Program at USG. Golden ID students are not eligible for this section.*	Seats (Total: 30) BLD3 3225

CCJS358B **Special Topics in Study Abroad III; Criminology in Scandanavia**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CCJS358E **Special Topics in Study Abroad III; Drugs and Drug Prevention in Central Europe**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CCJS358G **Special Topics in Study Abroad III; History of the Mafia and Global Crime**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CCJS359 **Field Training in Criminology and Corrections**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Supervised field training in public or private social agencies. Group meetings, individual conferences and written program reports.

Prerequisites: CCJS 105 or CRIM 220; and CCJS 350 or CRIM 450; and permission of department. For majors only.

Contact department for information to register for this course.

CCJS360 **Victimology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS105.

Overview of the history and theory of victimology. Analysis of victimization patterns with special emphasis on types of victims and crimes. The interaction between victims of crime and the criminal justice system with respect to the role of the victim and the services offered to the victim.

ESG1	Cortney Fisher	Seats (Total: 30)
	M 11:00am - 12:15pm Class time/details on ELMs	BLD3 2219 ONLINE
	Restricted to students in the Criminology & Criminal Justice Program at USG. Golden ID students are not eligible for this section.	

CCJS367 **Professional Preparation in Law Enforcement**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Corequisite: CCJS369. Restriction: By Permission of Department. Additional information: Students must show proof of acceptance into the Montgomery County Public Safety Training Academy.

The Department of Criminology and Criminal Justice (CCJS) is collaborating with the Montgomery County Police Department (MCPD) and Montgomery County Sheriff's Office (MCSO) to offer 15 academic (elective) credits for eligible UMD students participation in entry level police officer training conducted at MCPD's Public Safety Training Academy (PSTA). Eligible students can attend MCPD's PSTA and earn UMD academic credit while progressing through the PSTA curriculum and gaining practical experience under conditions conducive to educational and professional development. CCJS367 is a co-requisite to CCJS369 and includes a series of mandatory seminars. Students are required to attend the scheduled seminars in addition to completing 600 hours at MCPD's PSTA and completing all academic work.

ESG1	Wendy Stickle	Seats (Total: 5)
	Contact instructor or department for details. Class time/details on ELMs	ONLINE
	Restricted to students in the Criminology & Criminal Justice Program at USG.	

CCJS369 **Law Enforcement Practicum**

(Perm req)

Credits: 12

Grading Method: Regular, Pass-Fail, Audit

The Department of Criminology and Criminal Justice (CCJS) is collaborating with the Montgomery County Police Department (MCPD) and Montgomery County Sheriff's Office (MCSO) to offer 15 academic (elective) credits for eligible UMD students participation in entry level police officer training conducted at MCPD's Public Safety Training Academy (PSTA). Eligible students can attend MCPD's PSTA and earn UMD academic credit while progressing through the PSTA curriculum and gaining practical experience under conditions conducive to educational and professional development. This experiential learning opportunity offers a time-limited, supervised period of law enforcement activities, carried out with the MCPD, where students can integrate and implement the skills, experience and competencies they have mastered during the CCJS academic program.

ESG1	Wendy Stickle	Seats (Total: 5)
	Contact instructor or department for details.	
	Restricted to students in the Criminology & Criminal Justice Program at USG.	

CCJS370 **Race, Crime and Criminal Justice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DVUP

Role and treatment of racial/ethnic minorities in the criminal justice system. Course will provide students with historical and theoretical framework for understanding this dynamic.

0101	Brooklynn Hitchens	Seats (Total: 48)
	TuTh 11:00am - 12:15pm	LEF 2166
0201	Brooklynn Hitchens	Seats (Total: 48)
	TuTh 12:30pm - 1:45pm	TYD 1118

CCJS386 **Experiential Learning**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Restriction: Permission of BSOS-Criminology & Criminal Justice department; and junior standing or higher.

Contact department for information to register for this course.

CCJS389H **Independent Research in Criminology and Criminal Justice**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Independent Research for CCJS Departmental Honors students.

Contact department for information to register for this course.

CCJS398 **Law Enforcement Field Training**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Supervised, structured and focused field training in law enforcement agencies.

Prerequisite: junior standing. For majors only.

Contact department for information to register for this course.

CCJS399 **Independent Study in Criminology and Criminal Justice**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Integrated reading or research under direction and supervision of a faculty member.

Prerequisite: written consent of faculty under whose direction the study is to be performed, and at least twelve hours of CCJS credits.

Contact department for information to register for this course.

CCJS418D **Seminar in Criminology and Criminal Justice; Evolving Legal Issues**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of interest in the field of Criminology and Criminal Justice will be covered.

Prerequisite: CCJS100 and CCJS230.

0101	David Salem W 6:00pm - 8:30pm	Seats (Total: 50) TYD 2106

CCJS418E **Seminar in Criminology and Criminal Justice; Coding for Criminology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of interest in the field of Criminology and Criminal Justice will be covered.

Prerequisite: CCJS100, CCJS105, CCJS200 and CCJS300. Restriction: Permission of department.

0101	Zubin Jelveh Th 3:30pm - 4:45pm Tu 3:30pm - 4:45pm	Seats (Total: 50) SQH 1117 ONLINE

CCJS418F **Seminar in Criminology and Criminal Justice; Crime on TV**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of interest in the field of Criminology and Criminal Justice will be covered.

Prerequisites: CCJS100, CCJS105, and CCJS300.

0101	Robert Stewart W 4:30pm - 7:00pm	Seats (Total: 50) ESJ 2309

CCJS418M **Seminar in Criminology and Criminal Justice; A Critical Examination of Contemporary Debates in Crime, Law, and Justice**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected topics of interest in the field of Criminology and Criminal Justice will be covered.

Prerequisites: CCJS100, CCJS105, and CCJS300. By permission only.

0101	Eric Baumer Th 4:00pm - 6:30pm	Seats (Total: 40) TWS 0205

CCJS418U **Seminar in Criminology and Criminal Justice; Community Corrections**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected topics of interest in the field of Criminology and Criminal Justice will be covered.

Prerequisites: CCJS100, CCJS105, and CCJS300.

0101	Selena Price MW 2:00pm - 3:15pm	Seats (Total: 50) HJP 2242

CCJS440 **Security Administration**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100 and CCJS340. Credit only granted for: CCJS440 or CCJS498Z. Formerly: CCJS498Z.

Designed to introduce students to the complex issues of Security Administration and the critical terrorism issues facing the nation. Emphasis is placed on understanding the historical and contemporary issues effecting U.S. Counterterrorism Policy. It also explores the challenges facing today's security administrators including: ethics, classified information, intelligence, terrorist organizations and incidents, physical and personnel security, transportation and border security issues.

ESG1	Richard Harris W 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 30) BLD3 3225 ONLINE
	Restricted to students in the Criminology & Criminal Justice Program at USG. Golden ID students are not eligible for this section.	

CCJS444 **Advanced Law Enforcement Administration**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100 and CCJS340.

The structuring of manpower, material, and systems to accomplish the major goals of social control. Personnel and systems management. Political controls and limitations on authority and jurisdiction.

0101	David Mitchell M 5:00pm - 7:30pm	Seats (Total: 50) TWS 1100

CCJS450 **Advanced Juvenile Delinquency**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS105 and CCJS300. Credit only granted for: CCJS350 or CCJS450.

Examination of juvenile delinquency in the United States. Nature and extent of juvenile delinquency, historical approaches, sociological and criminological theories and research, social contexts including the institutions of families, schools, and peers, and social responses. Prevention, punishment, and treatment programs, both within and outside of the juvenile justice and criminal justice systems.

0101	Jessica Morabito M 2:00pm - 4:30pm	Seats (Total: 50) TWS 1107
0201	Selena Price MWF 11:00am - 11:50am	Seats (Total: 50) TYD 2106

CCJS451 **Crime and Delinquency Prevention**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS105 and CCJS300.

Methods and programs in prevention of crime and delinquency.

0201	Brett Lacey TuTh 9:30am - 10:45am	Seats (Total: 50) SQH 1117
ESG1	Thomas Alexander Class time/details on ELMs	Seats (Total: 30) ONLINE
	Restricted to students in the Criminology & Criminal Justice Program at USG.	

CCJS454 **Contemporary Criminological Theory**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS300 and CCJS105.

Examination of the main theoretical accounts that explain the underlying causes of criminal behaviors. Explore how individual choices, socialization experiences, biological factors and social structure affect criminal behaviors.

0101	Maria Velez MW 3:30pm - 4:45pm	Seats (Total: 48) VMH 1207
0201	Maria Velez MW 2:00pm - 3:15pm	Seats (Total: 50) VMH 1207

CCJS489H **Honors Thesis Research**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Designed for students completing their honors thesis.

0101	Robert Brame Tu 4:00pm - 6:45pm	Seats (Total: 20) TYD 1101

CCJS498K **Selected Topics in Criminology and Criminal Justice; Child Abuse Investigations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in criminology and criminal justice. Offered in response to student request and faculty interest.

ESG1	Louis Morlier Tu 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 30) BLD3 3225 ONLINE
	Restricted to students in the Criminology & Criminal Justice Program at USG. Golden ID students are not eligible for this section.	

CCJS498P **Selected Topics in Criminology and Criminal Justice; Truth and Justice in the Disinformation Era**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in criminology and criminal justice. Offered in response to student request and faculty interest.

ESG1	Steve Sin Th 9:30am - 12:00pm	Seats (Total: 30) BLD3 3225
	Restricted to students in the Criminology & Criminal Justice Program at USG. Golden ID students are not eligible for this section.	

CCJS498V **Selected Topics in Criminology and Criminal Justice; Use of Force**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in criminology and criminal justice. Offered in response to student request and faculty interest.

ESG1	Shawn Eastman	Seats (Total: 30)
	Th 3:30pm - 6:00pm	BLD3 3225
	Restricted to students in the Criminology & Criminal Justice Program at USG. Golden ID students are not eligible for this section.	

CCJS498Z **Selected Topics in Criminology and Criminal Justice; A Matter of Life and Death: Criminal Sentencing Issues**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduates in criminology and criminal justice. Offered in response to student request and faculty interest.

ESG1	James Trusty	Seats (Total: 30)
	M 6:30pm - 9:00pm	BLD3 3225
	Restricted to students in the Criminology & Criminal Justice Program at USG. Golden ID students are not eligible for this section.	

CCJS600 **Criminal Justice**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (Criminology and Criminal Justice (Master's); Criminology and Criminal Justice (Doctoral)) ; or permission of BSOS-Criminology & Criminal Justice department. Formerly: CJUS600.

Current concept of criminal justice in relationship to other concepts in the field. Historical perspective. Criminal justice and social control. Operational implications. Systemic aspects. Issues of evaluation.

0101	Brian Johnson	Seats (Total: 20)
	W 4:00pm - 6:45pm	LEF 2165E

CCJS604 **Policy Analysis Project**

(Perm req)

Credits: 3 Grading Method: Regular

An application of statistical and conceptual tools to criminal justice data in the student's area of concentration, resulting in a paper reporting the conceptualization, analytic methods and results. The topic of the independent study will be chosen through individual consultation with the instructor.

Contact department for information to register for this course.

CCJS620 **Fundamentals of Criminological Research**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: CCJS498D or CCJS620. Formerly: CCJS498D.

Designed to help criminology students understand and apply three important components of statistics: decriptive statistics (including probability theory), fundamentals of statistical inference, and regression analysis. Course assumes familiarity with basic descriptive statistics. The emphasis of the classes on descriptive statistics is the calculation and interpretation of summary statistical measures for describing raw data. Covers the basic rules of probability and different probabilistic processes that could describe criminal activity. The sessions on fundamentals of statistical inferences are designed to provide background for executing and interpreting hypothesis tests and confidence intervals. The latter portion of the course focuses on regession analysis. Uses the statistical software, Stata.

0101	Sarah Tahamont	Seats (Total: 35)
	Tu 4:00pm - 6:45pm	LEF 2165E

CCJS653 **Seminar in Corrections**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CCJS651; or students who have taken courses with comparable content may contact the department. Formerly: CRIM653.

Development, operation and future of correctional systems.

0101	Lauren Porter	Seats (Total: 15)
	Th 4:00pm - 6:45pm	LEF 2165E

CCJS654 **History of Criminological Thought**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CCJS454; or students who have taken courses with comparable content may contact the department. Formerly: CRIM654.

A study of the development of criminological thought from antiquity to the present.

0101	Wade Jacobsen	Seats (Total: 20)
	Tu 3:15pm - 6:00pm	LEF 2207

CCJS699 **Special Criminological Problems**

Credits: 1-3 Grading Method: Regular, Audit

Supervised study of a selected problem in the field of criminal justice.

Contact department for information to register for this course.

CCJS699D **Special Criminological Problems; Professional Development**

Credits: 1 Grading Method: Regular, Audit, Sat-Fail

Supervised study of a selected problem in the field of criminal justice.

0101	Wade Jacobsen	Seats (Total: 15)
	Tu 10:00am - 10:50am	LEF 2165E

CCJS699K **Special Criminological Problems; Immigration, Crime and Enforcement**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Supervised study of a selected problem in the field of criminal justice.

0101	Min Xie	Seats (Total: 20)
	M 4:00pm - 6:45pm	LEF 2165E

CCJS699U **Special Criminological Problems; Publication Practicum**

Credits: 1 Grading Method: Regular, Audit, Sat-Fail

Supervised study of a selected problem in the field of criminal justice.

0101	Wade Jacobsen	Seats (Total: 15)
	Tu 1:00pm - 1:50pm	LEF 2165E

CCJS710 **Advanced Statistics Methods - Limited Dependent Variables**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed an approved doctoral level statistics course. Formerly: CRIM710.

Application of advanced data analysis strategies to criminological and criminal justice problems, with specific focus on limited dependent variables.

0101	Robert Brame	Seats (Total: 15)
	Th 4:00pm - 6:45pm	LEF 1220

CCJS720 **Criminal Justice System Planning: Policy Analysis for Crime Control**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed 1 course in research methodology; and 1 course in CCJS. Formerly: CJUS720.

System theory and method; examination of planning methods and models based primarily on a systems approach to the operations of the criminal justice system.

0101	Greg Midgette	Seats (Total: 20)
	W 4:00pm - 6:45pm	SQH 1111

CCJS799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

CCJS898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

CCJS899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Doctoral dissertation research in criminal justice and criminology.

Contact department for information to register for this course.

CHBE Chemical and Biomolecular Engineering Fall 2025

CHBE100 **Exploring ChBE**

(Perm req)

Credits: 1 Grading Method: Regular

Prerequisite: Permission of instructor; and permission of ENGR-Chemical & Biomolecular Engineering department. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department.

Overview of the specializations and career paths available in chemical and biomolecular engineering. Academic planning, policies and resources will be covered including introduction to undergraduate research, study abroad, internship and co-op opportunities as well as chemical engineering student groups. A peer mentoring program will enable students to interact with successful upper-class chemical engineering students and build their chemical engineering peer network.

0101	Ganesh Sriram	Seats (Total: 35)
	W 3:00pm - 3:50pm	AJC 2119

CHBE102 **Coffee BEANS: Brewing Engineering and Analysis for Nurturing Sustainability**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNS, SCIS

In this interdisciplinary course, students will explore the intricate journey of making one of the world's most-consumed beverage through the combined lens of sustainability and engineering. We will address the critical question: How sustainable is a daily cup of coffee? The course will begin with an overview of coffee production, from cultivation to consumption, examining energy targets, water usage, waste practices, and the environmental impact of coffee farming. Instruction in lectures will provide background on engineering concepts and types of sustainable practices. Students will engage in experiments, focusing on extraction techniques, to visualize scientific principles. The course will also align discussions with the United Nations Sustainable Development Goals, emphasizing the global implications of coffee production and consumption.

0101	Esohe Fawole	Seats (Total: 8)	
	M 2:00pm - 2:50pm W 11:00am - 1:00pm	ANS 0402 CHE 1145C	Lab

CHBE250 **Computer Methods in Chemical Engineering**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: CHBE101; and must have completed or be concurrently enrolled in MATH241. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE250 or ENCH250. Formerly: ENCH250.

Algorithm development and application of software to the analysis of chemical engineering problems. File management and editing, graphics and numerical methods. Use of spreadsheets, statistics/math software and process simulators for the design of chemical process equipment.

0101	Nam Sun Wang	Seats (Total: 85)	
	TuTh 3:30pm - 4:45pm M 1:00pm - 1:50pm	CHE 2108 CSI 3117	Discussion

CHBE301 **Chemical and Biomolecular Engineering Thermodynamics I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHBE101; and must have completed or be concurrently enrolled in CHBE250 and MATH241. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH300 or CHBE301. Formerly: ENCH300.

Principles of thermodynamics and their application to engineering problems. First and second laws of thermodynamics, properties of gases, liquids and solids, phase equilibrium, flow and non-flow systems, energy conversion, production of work from heat, thermodynamic analysis of processes, equilibrium stage operations and the thermodynamics of chemically reacting systems.

0101	Peter Kofinas	Seats (Total: 85)	
	MWF 10:00am - 10:50am F 9:00am - 9:50am	CHE 2108 CHE 2108	Discussion

CHBE333 **Chemical Engineering Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Junior standing; and must be in a major within ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE333 or ENCH333. Formerly: ENCH333.

To develop oral communication skills through a series of class presentations of current chemical engineering topics.

0102	Nam Sun Wang M 11:00am - 11:50am	Seats (Total: 15) CHE 2116	
0103	Nam Sun Wang W 1:00pm - 1:50pm	Seats (Total: 15) CHE 2116	

CHBE369 **Teaching Experiences in Chemical Engineering**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Students will obtain pedagogical experience by assisting with the teaching of undergraduate courses in Chemical and Biomolecular Engineering.

Contact department for information to register for this course.

CHBE410 **Statistics and Design of Experiments**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHBE250, MATH241, and MATH246. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE410 or ENCH476. Formerly: ENCH476.

An introduction to probability, statistics, and design of experiments for chemical engineers.

0101	Juan Carlos Vega-Vila MWF 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 85) CHE 2110 CHE 2110	 Discussion

CHBE422 **Chemical and Biomolecular Engineering Transport Phenomena I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHBE101, CHBE250, MATH241, and MATH246. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE422 or ENCH422. Formerly: ENCH422.

Principals of fluid dynamics as applied to model development and process design. Mass, momentum and energy conservation. Statics and surface tension. Equation of Continuity and Navier-Stokes Equation with application to laminar flow. Dimensional analysis. Macroscopic balances, Bernoulli Equation and friction factors with application to turbulent flow.

0101	Panagiotis Dimitrakopoulos TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 80) MCB 1207 CHE 2108	 Discussion

CHBE437 **Chemical and Biomolecular Engineering Laboratory**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHBE424, CHBE426, and CHBE440. Restriction: Must be in a major within ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE437 or ENCH437. Formerly: ENCH437.

Application of chemical engineering process and unit operation principals in small-scale semi-commercial equipment. Data from experimental observations are used to evaluate performance and efficiency of operations. Emphasis on correct presentation of results inreport form.

0201	Esohe Fawole, Audaldo Ponce	Seats (Total: 24)	
	Tu 11:00am - 3:00pm	CHE 1145	Lab
	Tu 10:00am - 10:50am	HBK 0125	Discussion
0401	Audaldo Ponce, Esohe Fawole	Seats (Total: 24)	
	F 1:00pm - 5:00pm	CHE 1145	Lab
	F 10:00am - 10:50am	CHE 2136	Discussion

CHBE440 **Chemical Kinetics and Reactor Design**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHBE301, MATH241, and MATH246. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE440 or ENCH440. Formerly: ENCH440.

Fundamentals of chemical reaction kinetics and their application to the design and operation of chemical reactors. Reaction rate theory, homogeneous reactions and catalysis electrochemical reactions. Catalytic reactor design.

0101	Srinivasa Raghavan	Seats (Total: 75)	
	MWF 2:00pm - 2:50pm	CHE 2108	
	M 1:00pm - 1:50pm	CHE 2108	Discussion

CHBE442 **Chemical and Biomolecular Systems Analysis**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHBE424 and CHBE426. Credit only granted for: CHBE442 or ENCH442. Formerly: ENCH442.

Dynamic response applied to process systems. Goals and modes of control, Laplace transformations, analysis and synthesis of simple control systems, closed loop response, dynamic testing.

0101	Kyu Yong Choi, Raymond Adomaitis MWF 12:00pm - 12:50pm W 4:00pm - 4:50pm	Seats (Total: 100) CHE 2110 CHE 2110	 Discussion

CHBE444 **Process Engineering Economics and Design I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHBE424, CHBE426, and CHBE440. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE444 or ENCH444. Formerly: ENCH444.

Principles of chemical engineering economics and process design. Equipment sizing and costing. Economic evaluation of projects. Flowsheet synthesis. Introduction to flowsheet simulators and concepts of flowsheet optimization. Synthesis of Heat Exchanger Networks and Distillation Sequences.

0101	Ganesh Sriram TuTh 3:30pm - 4:45pm W 11:00am - 11:50am	Seats (Total: 36) ESJ 2212 AJC 2119	 Discussion
0102	Ganesh Sriram TuTh 3:30pm - 4:45pm W 2:00pm - 2:50pm	Seats (Total: 36) ESJ 2212 AJC 2119	 Discussion

CHBE452 **Introduction of Machine Learning in Chemical Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: Basic knowledge of chemical engineering, materials science, ordinary differential equations, and Python is desirable. Restriction: Permission of Department or Instructor. Jointly offered with: CHBE652. Credit only granted for: CHBE452 or CHBE652.

Introduction of data science and machine learning approaches to modern problems in chemical engineering and materials science. This course develops data science approaches, including their foundational mathematical and statistical basis, and applies these methods to data sets of limited size and precision. Methods for regression and clustering will be developed and applied, with an emphasis on validation and error quantification. Techniques that will be developed include linear and nonlinear regression, clustering and logistic regression, dimensionality reduction, unsupervised learning, and artificial neural networks. These methods will be applied to a range of engineering problems, including conducting polymers, stretchable conductors, organic synthesis, and quality control in manufacturing.

0101	Po-Yen Chen MW 5:00pm - 6:15pm	Seats (Total: 25) JMP 1109	

CHBE468 **Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Investigation of a research project under the direction of a faculty member. Comprehensive reports are required.

Contact department for information to register for this course.

CHBE469 **Special Projects**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Special project under the direction of a faculty member. Comprehensive reports are required.

Contact department for information to register for this course.

CHBE472 **Control of Air Pollution Sources**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. Jointly offered with: CHBE672. Credit only granted for: CHBE472, CHBE672 or ENCH672.

Sources and effects of air pollutants, regulatory trends, atmospheric dispersion models, fundamentals of two-phase flow as applied to air pollution and air pollution control systems, design of systems for control of gases and particulate matter.

0101	Akua Asa-Awuku	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	KEB 1200

CHBE490 **Polymer Science**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: CHBE490, ENCH490, or ENMA495. Formerly: ENCH490.

The elements of the polymer chemistry and industrial polymerization, polymer structures and physics, thermodynamics of polymer solutions, polymer processing methods, and engineering applications of polymers.

0101	Kyu Yong Choi	Seats (Total: 20)
	MW 10:00am - 11:15am	CHE 2145

CHBE491 **Electrochemical Energy Engineering**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHBE302, CHBE440, and CHBE422. Restriction: Permission of ENGR - Chemical & Biomolecular Engineering Department. Jointly offered with: CHBE691. Credit only granted for: CHBE691 or CHBE491.

Introduces students to the fundamentals of electrochemical engineering, covering thermodynamics, kinetics, and transport in electrochemical cells, as well as electrode structures and electroanalytical techniques. The course will next transition to focus on electrochemical devices, including batteries, fuel cells, and other devices as guided by student input. This course will serve as a foundation for students who are interested in becoming practicing electrochemical engineers, those who would like to pursue research careers, and those who wish to become familiar with a specialized area within engineering that will have a crucial and growing importance during their careers.

0101	Paul Albertus	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	EGR 2116

CHBE493 **Chemical Processes in Beer Brewing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHBE424 and CHBE440; and permission of instructor. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR- & Biomolecular Engineering department. Credit only granted for: CHBE493 or CHBE693. Additional information: Neither the students nor the instructor will be making or working with alcoholic beverages in the course.

Covers chemical engineering principles and chemical processes involved in the brewing and quality control of beer. Topics will include extraction and isomerization of bittering compounds from hops, enzymatic reactions involved in mashing beer, colloidal chemistry of haze formation, and microbiology of yeast and fermentation. Quantitative models will be applied to these processes based on fundamental chemical engineering principles from reaction kinetics, thermodynamics, transport phenomena, and colloid and interfacial science.

0101	Taylor Woehl	Seats (Total: 16)
	M 2:30pm - 5:00pm	AJC 2119

CHBE494 **Sustainable Separations and Carbon Capture**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHBE424, CHBE426 and CHBE440; and permission of instructor. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and must have permission of ENGR- & Biomolecular Engineering department. Credit only granted for: CHBE494 or CHBE694.

Provides a comprehensive overview of sustainable separations and carbon dioxide capture using synthetic membranes and sorbents.

0101	Chen Zhang	Seats (Total: 20)
	MW 1:00pm - 2:15pm	CHE 2136

CHBE608 **Research in Chemical Engineering**

(Perm req) Credits: 1 Grading Method: Regular

Students gain experience in research through lab rotations and experience presenting their findings.

Contact department for information to register for this course.

CHBE609 Graduate Seminar

(Perm req) Credits: 1 Grading Method: Regular, Audit

Seminar in Chemical and Biomolecular Engineering

0101	Peter Kofinas, Kyu Yong Choi	Seats (Total: 35)
	F 11:00am - 12:30pm	CHE 2108

CHBE610 Chemical Engineering Thermodynamics

(Perm req) Credits: 3 Grading Method: Regular, Audit

Prerequisite: CHBE301; and CHBE302. Or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH610 or CHBE610. Formerly: ENCH610.

Advanced application of the general thermodynamic methods to chemical engineering problems. First and second law consequences; estimation and correlation of thermodynamic properties; phase and chemical reaction equilibria.

0101	Jeffery Klauda	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	CHE 2140

CHBE620 Methods of Engineering Analysis

(Perm req) Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH246 and CHBE250; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENCH620 or CHBE620. Formerly: ENCH620.

Application of selected mathematical techniques to the analysis and solution of engineering problems; included are the applications of matrices, vectors, tensors, differential equations, integral transforms, and probability methods to such problems as unsteady heat transfer, transient phenomena in mass transfer operations, stagewise processes, chemical reactors, process control, and nuclear reactor physics.

0101	Panagiotis Dimitrakopoulos	Seats (Total: 20)
	TuTh 5:15pm - 6:30pm	CHE 2118

CHBE648 Special Problems in Chemical Engineering

(Perm req) Credits: 1-12 Grading Method: Regular, Audit

Research project under the direction of a faculty member.

Contact department for information to register for this course.

CHBE652 **Introduction of Machine Learning in Chemical Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Recommended: Basic knowledge of chemical engineering, materials science, ordinary differential equations, and Python is desirable. Restriction: Permission of Department or Instructor. Jointly offered with: CHBE452. Credit only granted for: CHBE452 or CHBE652.

Introduction of data science and machine learning approaches to modern problems in chemical engineering and materials science. This course develops data science approaches, including their foundational mathematical and statistical basis, and applies these methods to data sets of limited size and precision. Methods for regression and clustering will be developed and applied, with an emphasis on validation and error quantification. Techniques that will be developed include linear and nonlinear regression, clustering and logistic regression, dimensionality reduction, unsupervised learning, and artificial neural networks. These methods will be applied to a range of engineering problems, including conducting polymers, stretchable conductors, organic synthesis, and quality control in manufacturing.

0101	Po-Yen Chen	Seats (Total: 5)
	MW 5:00pm - 6:15pm	JMP 1109

CHBE672 **Control of Air Pollution Sources**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. Jointly offered with: CHBE472. Credit only granted for: CHBE472 or CHBE672.

Sources and effects of air pollutants, regulatory trends, atmospheric dispersion models, fundamentals of two-phase flow as applied to air pollution and air pollution control systems, design of systems for control of gases and particulate matter.

0101	Akua Asa-Awuku	Seats (Total: 12)
	TuTh 11:00am - 12:15pm	KEB 1200

CHBE690 **Polymer Reaction Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENCH640; or permission of instructor. Credit only granted for: ENCH781 or CHBE690. Formerly: ENCH781.

Advanced topics in polymerization kinetics, reactor design and analysis; addition and step-growth polymerization; homogeneous and heterogeneous polymerization; photopolymerization; reactor dynamics; optimal operation and control of industrial polymerization reactors.

0101	Kyu Yong Choi	Seats (Total: 6)
	MW 10:00am - 11:15am	CHE 2145

CHBE691 **Electrochemical Energy Engineering**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CHBE302, CHBE440, and CHBE422. Restriction: Permission of ENGR - Chemical & Biomolecular Engineering Department. Jointly offered with: CHBE491. Credit only granted for: CHBE491 or CHBE691.

Introduces students to the fundamentals of electrochemical engineering, covering thermodynamics, kinetics, and transport in electrochemical cells, as well as electrode structures and electroanalytical techniques. The course will next transition to focus on electrochemical devices, including batteries, fuel cells, and other devices as guided by student input. This course will serve as a foundation for students who are interested in becoming practicing electrochemical engineers, those who would like to pursue research careers, and those who wish to become familiar with a specialized area within engineering that will have a crucial and growing importance during their careers.

0101	Paul Albertus	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	EGR 2116

CHBE694 **Sustainable Separations and Carbon Capture**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in CHBE424, CHBE426 and CHBE440; and permission of instructor. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and must have permission of ENGR- & Biomolecular Engineering department. Jointly offered with: CHBE494. Credit only granted for: CHBE494 or CHBE694.

Provides a comprehensive overview of sustainable separations and carbon dioxide capture using synthetic membranes and sorbents.

0101	Chen Zhang	Seats (Total: 5)
	MW 1:00pm - 2:15pm	CHE 2136

CHBE799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

CHBE898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

CHBE899 **Doctoral Dissertation Research; Chemical Engineering**

(Perm req) Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

CHEM Chemistry Fall 2025

The College of Computer, Mathematical and Natural Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

CHEM131 Chemistry I - Fundamentals of General Chemistry

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNL (if taken with CHEM132), DSNS

Prerequisite: Must have math eligibility of MATH120 or higher. Corequisite: CHEM132. Recommended: For Science majors. Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM153 or CHEM146. Formerly: CHEM103.

An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors.

Students without the math pre-requisite will be administratively dropped.

1221	Lenea Stocker MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 40) CHM 1407 PHY 2214	Discussion
1222	Lenea Stocker MWF 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 40) CHM 1407 PHY 2214	Discussion
1224	Lenea Stocker MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 40) CHM 1407 PHY 2214	Discussion
1241	Lenea Stocker MWF 10:00am - 10:50am Th 8:00am - 8:50am	Seats (Total: 40) CHM 1407 PHY 2214	Discussion
1242	Lenea Stocker MWF 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 40) CHM 1407 PHY 2214	Discussion

1243	Lenea Stocker MWF 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 40) CHM 1407 PHY 2214	Discussion
1325	Samuel Lascio MWF 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 40) PHY 1412 PHY 2214	Discussion
1327	Samuel Lascio MWF 9:00am - 9:50am Tu 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 PHY 2214	Discussion
1328	Samuel Lascio MWF 9:00am - 9:50am Tu 3:30pm - 4:20pm	Seats (Total: 40) PHY 1412 PHY 2214	Discussion
1345	Samuel Lascio MWF 9:00am - 9:50am Th 12:30pm - 1:20pm	Seats (Total: 40) PHY 1412 PHY 2214	Discussion
1347	Samuel Lascio MWF 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 PHY 2214	Discussion
1348	Samuel Lascio MWF 9:00am - 9:50am Th 3:30pm - 4:20pm	Seats (Total: 40) PHY 1412 PHY 2214	Discussion
1425	Lee Friedman MWF 8:00am - 8:50am Tu 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 PHY 2122	Discussion
1426	Lee Friedman MWF 8:00am - 8:50am Tu 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 PHY 2122	Discussion
1427	Lee Friedman MWF 8:00am - 8:50am Tu 3:30pm - 4:20pm	Seats (Total: 40) CHM 1407 PHY 2122	Discussion

1445	Lee Friedman MWF 8:00am - 8:50am Th 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 PHY 2122	Discussion
1446	Lee Friedman MWF 8:00am - 8:50am Th 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 PHY 2122	Discussion
1447	Lee Friedman MWF 8:00am - 8:50am Th 3:30pm - 4:20pm	Seats (Total: 40) CHM 1407 PHY 2122	Discussion
1521	Amanda Schech MWF 1:00pm - 1:50pm Tu 8:00am - 8:50am	Seats (Total: 40) CHM 1407 PHY 2106	Discussion
1522	Amanda Schech MWF 1:00pm - 1:50pm Tu 9:30am - 10:20am	Seats (Total: 40) CHM 1407 PHY 2106	Discussion
1523	Amanda Schech MWF 1:00pm - 1:50pm Tu 11:00am - 11:50am	Seats (Total: 40) CHM 1407 PHY 2106	Discussion
1541	Amanda Schech MWF 1:00pm - 1:50pm Th 8:00am - 8:50am	Seats (Total: 40) CHM 1407 PHY 2106	Discussion
1542	Amanda Schech MWF 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 40) CHM 1407 PHY 2106	Discussion
1543	Amanda Schech MWF 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 PHY 2106	Discussion
FC01	Frances Stump TuTh 4:30pm - 5:45pm F 11:00am - 11:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 44) CHM 1402 PHY 2214	Discussion

FC02	Frances Stump TuTh 4:30pm - 5:45pm F 12:00pm - 12:50pm	Seats (Total: 44) CHM 1402 PHY 2214	Discussion
	Restricted to students in Freshmen Connection.		
FC03	Frances Stump TuTh 4:30pm - 5:45pm F 3:00pm - 3:50pm	Seats (Total: 44) CHM 1402 PHY 2214	Discussion
	Restricted to students in Freshmen Connection.		
SEF1	Amanda Schech M 6:00pm - 8:50pm W 6:00pm - 6:50pm	Seats (Total: 52) PHY 4221 PHY 4221	Discussion
	Must be in the Science in the Evening (SIE) program.		

CHEM132 **General Chemistry I Laboratory**

Credits: 1 Grading Method: Regular

Prerequisite: Must have math eligibility of MATH120 or higher. Corequisite: CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, CHEM147 or CHEM177. Formerly: CHEM103.

Introduction to the quantification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131.

Prerequisite: Must have math eligibility of MATH120 or higher. Laboratory sessions will begin after the first lecture. Students must pay a $70.00 laboratory materials fee.

1111	Christiana Guest M 9:00am - 11:50am	Seats (Total: 24) ESJ 1312	Lab
1112	Christiana Guest M 9:00am - 11:50am	Seats (Total: 24) ESJ 1316	Lab
1122	Christiana Guest M 12:00pm - 2:50pm	Seats (Total: 24) ESJ 1316	Lab
1123	Christiana Guest M 12:00pm - 2:50pm	Seats (Total: 24) ESJ 2324	Lab
1131	Christiana Guest M 3:00pm - 5:50pm	Seats (Total: 24) ESJ 1312	Lab

1211	Christiana Guest Tu 9:30am - 12:20pm	Seats (Total: 24) ESJ 1312	Lab
1221	Christiana Guest Tu 12:30pm - 3:20pm	Seats (Total: 24) ESJ 1312	Lab
1222	Christiana Guest Tu 12:30pm - 3:20pm	Seats (Total: 24) ESJ 1316	Lab
1223	Christiana Guest Tu 12:30pm - 3:20pm	Seats (Total: 24) ESJ 2324	Lab
1232	Christiana Guest Tu 3:30pm - 6:20pm	Seats (Total: 24) ESJ 1316	Lab
1233	Christiana Guest Tu 3:30pm - 6:20pm	Seats (Total: 24) ESJ 2324	Lab
1321	Christiana Guest W 12:00pm - 2:50pm	Seats (Total: 24) ESJ 1312	Lab
1331	Christiana Guest W 3:00pm - 5:50pm	Seats (Total: 24) ESJ 1312	Lab
1332	Christiana Guest W 3:00pm - 5:50pm	Seats (Total: 24) ESJ 1316	Lab
1334	Christiana Guest W 3:00pm - 5:50pm	Seats (Total: 24) ESJ 1330	Lab
1341	Christiana Guest W 6:00pm - 8:50pm	Seats (Total: 24) ESJ 1312	Lab
1342	Christiana Guest W 7:00pm - 9:50pm	Seats (Total: 12) ESJ 1316	Lab
1411	Christiana Guest Th 9:30am - 12:20pm	Seats (Total: 24) ESJ 1312	Lab
1412	Christiana Guest Th 9:30am - 12:20pm	Seats (Total: 24) ESJ 1316	Lab

1422	Christiana Guest Th 12:30pm - 3:20pm	Seats (Total: 24) ESJ 1316	Lab
1432	Christiana Guest Th 3:30pm - 6:20pm	Seats (Total: 24) ESJ 1316	Lab
1434	Christiana Guest Th 3:30pm - 6:20pm	Seats (Total: 24) ESJ 1330	Lab
1531	Christiana Guest F 3:00pm - 5:50pm	Seats (Total: 24) ESJ 1312	Lab
1532	Christiana Guest F 3:00pm - 5:50pm	Seats (Total: 24) ESJ 1316	Lab
1533	Christiana Guest F 3:00pm - 5:50pm	Seats (Total: 24) ESJ 2324	Lab
FC11	Christiana Guest F 9:00am - 11:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 24) ESJ 1316	Lab
FC12	Christiana Guest F 9:00am - 11:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 24) ESJ 2324	Lab
FC13	Christiana Guest F 9:00am - 11:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 24) ESJ 1330	Lab
FC21	Christiana Guest F 12:00pm - 2:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) ESJ 1316	Lab
FC22	Christiana Guest F 12:00pm - 2:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) ESJ 2324	Lab

FC33	Christiana Guest F 3:00pm - 5:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) ESJ 1330	Lab
SEF1	Christiana Guest W 7:00pm - 9:50pm *Must be in the Science in the Evening (SIE) program.*	Seats (Total: 24) ESJ 1330	Lab
SEF2	Christiana Guest W 7:00pm - 9:50pm *Must be in the Science in the Evening (SIE) program.*	Seats (Total: 12) ESJ 1316	Lab

CHEM132C **General Chemistry I Laboratory**

Credits: 1 Grading Method: Regular, Pass-Fail

Prerequisite: Must have math eligibility of MATH120 or higher. Corequisite: CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, CHEM147 or CHEM177. Formerly: CHEM103.

Introduction to the quantification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131.

Prerequisite: Must have math eligibility of MATH120 or higher. Students must pay a $70.00 laboratory materials fee.

1121	Christiana Guest M 12:00pm - 2:50pm	Seats (Total: 24) ESJ 1312	Lab
1132	Christiana Guest M 3:00pm - 5:50pm	Seats (Total: 24) ESJ 1316	Lab
1133	Christiana Guest M 3:00pm - 5:50pm	Seats (Total: 24) ESJ 2324	Lab
1213	Christiana Guest Tu 9:30am - 12:20pm	Seats (Total: 24) ESJ 2324	Lab
1231	Christiana Guest Tu 3:30pm - 6:20pm	Seats (Total: 24) ESJ 1312	Lab

1323	Christiana Guest W 12:00pm - 2:50pm	Seats (Total: 24) ESJ 2324	Lab
1333	Christiana Guest W 3:00pm - 5:50pm	Seats (Total: 24) ESJ 2324	Lab
1414	Christiana Guest Th 9:30am - 12:20pm	Seats (Total: 24) ESJ 1330	Lab
1421	Christiana Guest Th 12:30pm - 3:20pm	Seats (Total: 24) ESJ 1312	Lab
1424	Christiana Guest Th 12:30pm - 3:20pm	Seats (Total: 24) ESJ 1330	Lab
1433	Christiana Guest Th 3:30pm - 6:20pm *This section is restricted to BioFire students.*	Seats (Total: 24) ESJ 2324	Lab
1521	Christiana Guest F 12:00pm - 2:50pm *This section is restricted to BioFire students.*	Seats (Total: 24) ESJ 1312	Lab

CHEM132S **General Chemistry I Laboratory**

Credits: 1 Grading Method: Regular

Prerequisite: Must have math eligibility of MATH120 or higher. Corequisite: CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, CHEM147 or CHEM177. Formerly: CHEM103.

Introduction to the quantification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131.

Prerequisite: Must have math eligibility of MATH120 or higher. Laboratory sessions will begin after the first lecture. Students must pay a $70.00 laboratory materials fee.

1212	Christiana Guest Tu 9:30am - 12:20pm	Seats (Total: 24) ESJ 1316	Lab
1322	Christiana Guest W 12:00pm - 2:50pm	Seats (Total: 24) ESJ 1316	Lab

1431	Christiana Guest Th 3:30pm - 6:20pm	Seats (Total: 24) ESJ 1312	Lab

CHEM134 **Chemical Principles for Engineering**

Credits: 1 Grading Method: Regular

Prerequisite: Minimum grade of C- in CHEM131; or minimum grade of C- in CHEM146. Credit only granted for: CHEM 134 or CHEM 135.

Basic chemistry for engineering students. Introduction to organic structures and polymers, gas laws, liquids, solids, phase changes, chemical kinetics and electrochemistry.

0101	Amanda Souna Tu 8:00am - 8:50am	Seats (Total: 200) PHY 1412	

CHEM135 **General Chemistry for Engineers**

Credits: 3 Grading Method: Regular General Education: DSNL (if taken with CHEM136), DSNS

Prerequisite: Must have math eligibility of MATH120 or higher. Credit only granted for: CHEM103, CHEM113, CHEM131, CHEM135, or CHEM146.

The nature and composition of matter, solutions, chemical reactions, equilibria, and electrochemistry, with applications to various fields of engineering.

3125	Andrei Vedernikov TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 45) CHM 1407 PHY 2122	Discussion
3126	Andrei Vedernikov TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 45) CHM 1407 PHY 2122	Discussion
3127	Andrei Vedernikov TuTh 11:00am - 12:15pm M 2:00pm - 2:50pm	Seats (Total: 45) CHM 1407 PHY 2122	Discussion
3128	Andrei Vedernikov TuTh 11:00am - 12:15pm M 3:00pm - 3:50pm	Seats (Total: 25) CHM 1407 PHY 2214	Discussion
3129	Andrei Vedernikov TuTh 11:00am - 12:15pm M 4:00pm - 4:50pm	Seats (Total: 25) CHM 1407 PHY 2214	Discussion

3130	Andrei Vedernikov TuTh 11:00am - 12:15pm M 5:00pm - 5:50pm	Seats (Total: 25) CHM 1407 PHY 2214	Discussion
3145	Andrei Vedernikov TuTh 11:00am - 12:15pm W 12:00pm - 12:50pm	Seats (Total: 45) CHM 1407 PHY 2122	Discussion
3147	Andrei Vedernikov TuTh 11:00am - 12:15pm W 1:00pm - 1:50pm	Seats (Total: 45) CHM 1407 PHY 2122	Discussion
3148	Andrei Vedernikov TuTh 11:00am - 12:15pm W 2:00pm - 2:50pm	Seats (Total: 45) CHM 1407 PHY 2122	Discussion
3225	Alice Mignerey MWF 2:00pm - 2:50pm Tu 8:00am - 8:50am	Seats (Total: 43) CHM 1407 PHY 2122	Discussion
3226	Alice Mignerey MWF 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 43) CHM 1407 PHY 2122	Discussion
3227	Alice Mignerey MWF 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 43) CHM 1407 PHY 2122	Discussion
3245	Alice Mignerey MWF 2:00pm - 2:50pm Th 8:00am - 8:50am	Seats (Total: 43) CHM 1407 PHY 2122	Discussion
3247	Alice Mignerey MWF 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 43) CHM 1407 PHY 2122	Discussion
3248	Alice Mignerey MWF 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 43) CHM 1407 PHY 2122	Discussion

3250	Alice Mignerey MWF 2:00pm - 2:50pm Th 3:30pm - 4:20pm	Seats (Total: 25) CHM 1407 PHY 2213	Discussion
3251	Alice Mignerey MWF 2:00pm - 2:50pm Th 4:30pm - 5:20pm	Seats (Total: 25) CHM 1407 PHY 2213	Discussion
3252	Alice Mignerey MWF 2:00pm - 2:50pm Th 5:30pm - 6:20pm	Seats (Total: 25) CHM 1407 PHY 2213	Discussion
3425	Samuel Lascio TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 43) CHM 1407 PHY 2214	Discussion
3426	Samuel Lascio TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 43) CHM 1407 PHY 2214	Discussion
3427	Samuel Lascio TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 43) CHM 1407 PHY 2214	Discussion
3437	Samuel Lascio TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 25) CHM 1407 CHM 1224	Discussion
3438	Samuel Lascio TuTh 12:30pm - 1:45pm W 4:00pm - 4:50pm	Seats (Total: 25) CHM 1407 CHM 1224	Discussion
3439	Samuel Lascio TuTh 12:30pm - 1:45pm W 5:00pm - 5:50pm	Seats (Total: 25) CHM 1407 CHM 1224	Discussion
3445	Samuel Lascio TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 43) CHM 1407 PHY 2214	Discussion

3446	Samuel Lascio TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 43) CHM 1407 PHY 2214	Discussion
3447	Samuel Lascio TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 43) CHM 1407 PHY 2214	Discussion
FC01	Shane Collins TuTh 4:30pm - 5:45pm F 11:00am - 11:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 44) CHM 1407 PHY 2122	Discussion
FC02	Shane Collins TuTh 4:30pm - 5:45pm F 12:00pm - 12:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 44) CHM 1407 PHY 2122	Discussion
FC03	Shane Collins TuTh 4:30pm - 5:45pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 44) CHM 1407 PHY 2122	Discussion
FC04	Shane Collins TuTh 4:30pm - 5:45pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 44) CHM 1407 PHY 2213	Discussion

CHEM136 **General Chemistry Laboratory for Engineers**

Credits: 1 Grading Method: Regular

Prerequisite: Must have completed or be concurrently enrolled in CHEM135 and must have math eligibility of MATH120 or higher. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.

A laboratory course for engineering majors intending to take CHEM231 and CHEM232.

Prerequisite: Must have math eligibility of MATH120 or higher. Students must pay a $70.00 laboratory materials fee.

1125	Natalia White M 12:00pm - 2:50pm	Seats (Total: 24) ESJ 1330	Lab

1135	Natalia White Tu 3:30pm - 6:20pm	Seats (Total: 24) ESJ 1330	Lab
1215	Natalia White Tu 9:30am - 12:20pm	Seats (Total: 24) ESJ 1330	Lab
1225	Natalia White Tu 12:30pm - 3:20pm	Seats (Total: 24) ESJ 1330	Lab

CHEM146 **Principles of General Chemistry**

Credits: 3 Grading Method: Regular General Education: DSNL (if taken with CHEM177), DSNS

Prerequisite: Must have math eligibility of MATH140 or higher. Corequisite: CHEM177. Restriction: Must be in one of the following programs (Chemistry; Biochemistry). Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM143, or CHEM146. Formerly: CHEM143.

An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM146 is the first course in a four-semester sequence for Chemistry and Biochemistry majors.

0032	Mercedes Taylor MWF 9:00am - 9:50am Tu 9:30am - 10:20am	Seats (Total: 30) PLS 1130 CHM 1228	Discussion
0033	Mercedes Taylor MWF 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 30) PLS 1130 CHM 1228	Discussion

CHEM177 **Introduction to Laboratory Practices and Research in the Chemical Sciences**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have math eligibility of MATH120 or higher. Corequisite: CHEM146, CHEM131, or CHEM135. Restriction: Must be in a major within CMNS-Chemistry & Biochemistry department; or permission of CMNS-Chemistry & Biochemistry department. Credit only granted for: CHEM132, CHEM136, CHEM147, or CHEM177.

First semester laboratory course required for CHEM and BCHM majors. Introduction to laboratory techniques, including safety practices, scientific ethics, and presentation of current research topics.

Prerequisite: Must have math eligibility of MATH120 or higher. Students must pay a $70.00 laboratory materials fee.

1131	Lenea Stocker F 3:00pm - 3:50pm M 3:00pm - 5:50pm	Seats (Total: 18) ESJ 1202 ESJ 0312	 Lab
1211	Lenea Stocker F 3:00pm - 3:50pm Tu 9:30am - 12:20pm	Seats (Total: 18) ESJ 1202 ESJ 0312	 Lab
1231	Lenea Stocker F 3:00pm - 3:50pm Tu 3:30pm - 6:20pm	Seats (Total: 18) ESJ 1202 ESJ 0312	 Lab
1331	Lenea Stocker F 3:00pm - 3:50pm W 3:00pm - 5:50pm	Seats (Total: 18) ESJ 1202 ESJ 0312	 Lab
1411	Lenea Stocker F 3:00pm - 3:50pm Th 9:30am - 12:20pm	Seats (Total: 18) ESJ 1202 ESJ 0312	 Lab
1431	Lenea Stocker F 3:00pm - 3:50pm Th 3:30pm - 6:20pm	Seats (Total: 18) ESJ 1202 ESJ 0312	 Lab

CHEM231 **Organic Chemistry I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131, CHEM135, or CHEM146; and (CHEM132, CHEM136, CHEM147, or CHEM177); and a grade of C- or better in the prerequisites is required of College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM232. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.

The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.

5125	Monique Koppel MWF 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 PHY 2208	 Discussion

5127	Monique Koppel MWF 9:00am - 9:50am Tu 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 PHY 2208	Discussion
5128	Monique Koppel MWF 9:00am - 9:50am Tu 3:30pm - 4:20pm	Seats (Total: 36) CHM 1407 PHY 2208	Discussion
5145	Monique Koppel MWF 9:00am - 9:50am Th 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 PHY 2208	Discussion
5147	Monique Koppel MWF 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 PHY 2208	Discussion
5148	Monique Koppel MWF 9:00am - 9:50am Th 3:30pm - 4:20pm	Seats (Total: 36) CHM 1407 PHY 2208	Discussion
5215	Donald Hong MWF 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 CHM 1228	Discussion
5216	Donald Hong MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 1228	Discussion
5217	Donald Hong MWF 12:00pm - 12:50pm Tu 3:30pm - 4:20pm	Seats (Total: 36) CHM 1407 CHM 1228	Discussion
5235	Donald Hong MWF 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 CHM 1228	Discussion
5236	Donald Hong MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 1228	Discussion

5237	Donald Hong MWF 12:00pm - 12:50pm Th 3:30pm - 4:20pm	Seats (Total: 36) CHM 1407 CHM 1228	Discussion
5315	Donald Hong TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 36) CHM 1407 CHM 1224	Discussion
5316	Donald Hong TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 36) CHM 1407 CHM 1224	Discussion
5317	Donald Hong TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 1224	Discussion
5335	Donald Hong TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 36) CHM 1407 CHM 1224	Discussion
5336	Donald Hong TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 36) CHM 1407 CHM 1224	Discussion
5337	Donald Hong TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 1224	Discussion
5421	Sonia Hirschauer MWF 2:00pm - 2:50pm Tu 8:00am - 8:50am	Seats (Total: 36) HJP 0226 CHM 1224	Discussion
5422	Sonia Hirschauer MWF 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 36) HJP 0226 CHM 1224	Discussion
5423	Sonia Hirschauer MWF 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 36) HJP 0226 CHM 1224	Discussion

5441	Sonia Hirschauer MWF 2:00pm - 2:50pm Th 8:00am - 8:50am	Seats (Total: 36) HJP 0226 CHM 1224	 Discussion
5442	Sonia Hirschauer MWF 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 36) HJP 0226 CHM 1224	 Discussion
5443	Sonia Hirschauer MWF 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 36) HJP 0226 CHM 1224	 Discussion
SEF1	Monique Koppel M 6:00pm - 8:50pm W 6:00pm - 6:50pm *Must be in the Science in the Evening (SIE) program.*	Seats (Total: 36) PHY 2208 PHY 2208	 Discussion

CHEM232 Organic Chemistry Laboratory I

Credits: 1 Grading Method: Regular

Prerequisite: CHEM131 and CHEM132; or (CHEM135 and CHEM136); or (CHEM146 and CHEM147). And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM231. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.

Provides experience in developing some basic laboratory techniques, recrystallization, distillation, extraction, chromatography.

Laboratory sessions will begin after the first lecture of CHEM 231. Students must pay a $70.00 laboratory materials fee.

5121	Monique Koppel M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	 Lab
5122	Monique Koppel M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	 Lab
5131	Monique Koppel M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	 Lab
5132	Monique Koppel M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	 Lab

5133	Monique Koppel M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
5141	Monique Koppel M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1346	Lab
5142	Monique Koppel M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1356	Lab
5143	Monique Koppel M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1360	Lab
5221	Monique Koppel Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1346	Lab
5222	Monique Koppel Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5223	Monique Koppel Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1360	Lab
5231	Monique Koppel Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5232	Monique Koppel Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1356	Lab
5233	Monique Koppel Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1360	Lab
5241	Monique Koppel Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1346	Lab
5242	Monique Koppel Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1356	Lab
5243	Monique Koppel Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1360	Lab
5321	Monique Koppel W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab

5322	Monique Koppel W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab
5323	Monique Koppel W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1360	Lab
5331	Monique Koppel W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
5332	Monique Koppel W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	Lab
5333	Monique Koppel W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
5341	Monique Koppel W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1346	Lab
5343	Monique Koppel W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1360	Lab
5421	Monique Koppel Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1346	Lab
5422	Monique Koppel Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5423	Monique Koppel Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1360	Lab
5431	Monique Koppel Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5432	Monique Koppel Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1356	Lab
5433	Monique Koppel Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1360	Lab
5441	Monique Koppel Th 6:30pm - 9:20pm	Seats (Total: 18) CHM 1346	Lab

5442	Monique Koppel Th 6:30pm - 9:20pm	Seats (Total: 18) CHM 1356	Lab
5443	Monique Koppel Th 6:30pm - 9:20pm	Seats (Total: 18) CHM 1360	Lab
5521	Monique Koppel F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5522	Monique Koppel F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab
5523	Monique Koppel F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1360	Lab
5531	Monique Koppel F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
5532	Monique Koppel F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	Lab
5533	Monique Koppel F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
SEF1	Monique Koppel W 7:00pm - 9:50pm *Must be in the Science in the Evening (SIE) program.*	Seats (Total: 18) CHM 1356	Lab

CHEM241 **Organic Chemistry II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Credit only granted for: (CHEM241 and CHEM242) or CHEM247.

A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.

6115	Jeffery Davis MWF 8:00am - 8:50am M 12:00pm - 12:50pm	Seats (Total: 41) PHY 1412 CHM 1228	Discussion

6116	Jeffery Davis MWF 8:00am - 8:50am M 1:00pm - 1:50pm	Seats (Total: 41) PHY 1412 CHM 1228	Discussion
6117	Jeffery Davis MWF 8:00am - 8:50am M 2:00pm - 2:50pm	Seats (Total: 41) PHY 1412 CHM 1228	Discussion
6135	Jeffery Davis MWF 8:00am - 8:50am W 12:00pm - 12:50pm	Seats (Total: 41) PHY 1412 CHM 1228	Discussion
6136	Jeffery Davis MWF 8:00am - 8:50am W 1:00pm - 1:50pm	Seats (Total: 41) PHY 1412 CHM 1228	Discussion
6137	Jeffery Davis MWF 8:00am - 8:50am W 2:00pm - 2:50pm	Seats (Total: 41) PHY 1412 CHM 1228	Discussion
6212	Lyle Isaacs TuTh 9:30am - 10:45am M 9:00am - 9:50am	Seats (Total: 41) CHM 1407 CHM 1228	Discussion
6213	Lyle Isaacs TuTh 9:30am - 10:45am M 10:00am - 10:50am	Seats (Total: 41) CHM 1407 CHM 1228	Discussion
6214	Lyle Isaacs TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 41) CHM 1407 CHM 1228	Discussion
6232	Lyle Isaacs TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 41) CHM 1407 CHM 1228	Discussion
6233	Lyle Isaacs TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 41) CHM 1407 CHM 1228	Discussion

6234	Lyle Isaacs TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 41) CHM 1407 CHM 1228	 Discussion
6415	Lai-Xi Wang TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 41) HJP 0226 PHY 2213	 Discussion
6416	Lai-Xi Wang TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 41) HJP 0226 PHY 2213	 Discussion
6417	Lai-Xi Wang TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 41) HJP 0226 PHY 2213	 Discussion
6435	Lai-Xi Wang TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 41) HJP 0226 PHY 2213	 Discussion
6436	Lai-Xi Wang TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 41) HJP 0226 PHY 2213	 Discussion
6437	Lai-Xi Wang TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 41) HJP 0226 PHY 2213	 Discussion
SEF1	Howard Fribush M 6:00pm - 8:50pm W 6:00pm - 6:50pm *Must be in the Science in the Evening (SIE) program.*	Seats (Total: 30) CHM 1224 CHM 1224	 Discussion

CHEM242 **Organic Chemistry Laboratory II**

Credits: 1 Grading Method: Regular

Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM241. Credit only granted for: (CHEM241 and CHEM242) or CHEM247.

Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation.

Students must pay a $70.00 laboratory materials fee.

6121	Sonia Hirschauer M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab
6122	Sonia Hirschauer M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1330	Lab
6123	Sonia Hirschauer M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1342	Lab
6131	Sonia Hirschauer M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
6132	Sonia Hirschauer M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	Lab
6141	Sonia Hirschauer M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1326	Lab
6142	Sonia Hirschauer M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1330	Lab
6221	Sonia Hirschauer Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1326	Lab
6222	Sonia Hirschauer Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
6231	Sonia Hirschauer Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1326	Lab
6232	Sonia Hirschauer Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
6241	Sonia Hirschauer Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1326	Lab
6242	Sonia Hirschauer Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1330	Lab

6243	Sonia Hirschauer Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1342	Lab
6321	Sonia Hirschauer W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab
6322	Sonia Hirschauer W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1330	Lab
6323	Sonia Hirschauer W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1342	Lab
6331	Sonia Hirschauer W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
6332	Sonia Hirschauer W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	Lab
6333	Sonia Hirschauer W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab
6341	Sonia Hirschauer W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1326	Lab
6343	Sonia Hirschauer W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1342	Lab
6421	Sonia Hirschauer Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1326	Lab
6422	Sonia Hirschauer Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
6423	Sonia Hirschauer Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1342	Lab
6431	Sonia Hirschauer Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1326	Lab
6432	Sonia Hirschauer Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab

6433	Sonia Hirschauer Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
6441	Sonia Hirschauer Th 6:30pm - 9:20pm	Seats (Total: 18) CHM 1326	Lab
6442	Sonia Hirschauer Th 6:30pm - 9:20pm	Seats (Total: 18) CHM 1330	Lab
6443	Sonia Hirschauer Th 6:30pm - 9:20pm	Seats (Total: 18) CHM 1342	Lab
6521	Sonia Hirschauer F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab
6522	Sonia Hirschauer F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1330	Lab
6523	Sonia Hirschauer F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1342	Lab
6531	Sonia Hirschauer F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
6532	Sonia Hirschauer F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	Lab
6533	Sonia Hirschauer F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab
SEF1	Sonia Hirschauer W 7:00pm - 9:50pm *Must be in the Science in the Evening (SIE) program.*	Seats (Total: 18) CHM 1330	Lab

CHEM247 **Principles of Organic Chemistry II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM237; or permission of CMNS-Chemistry & Biochemistry department. Restriction: Must be in one of the following programs (Chemistry; Biochemistry) ; or must be an honors student. Credit only granted for: (CHEM241 and CHEM242) or CHEM247.

A continuation of CHEM237 with emphasis on molecular structure, substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.

Students must pay a $70.00 laboratory materials fee.

6113	Xiaodong Shi	Seats (Total: 18)	
	MWF 10:00am - 10:50am M 3:00pm - 5:50pm Tu 8:00am - 8:50am	CCC 1100 CHM 1342 PHY 2208	 Lab Discussion
6123	Xiaodong Shi	Seats (Total: 18)	
	MWF 10:00am - 10:50am M 6:00pm - 8:50pm Tu 8:00am - 8:50am	CCC 1100 CHM 1342 PHY 2208	 Lab Discussion
6224	Xiaodong Shi	Seats (Total: 18)	
	MWF 10:00am - 10:50am Tu 3:30pm - 6:20pm Tu 9:30am - 10:20am	CCC 1100 CHM 1342 PHY 2208	 Lab Discussion
6323	Xiaodong Shi	Seats (Total: 18)	
	MWF 10:00am - 10:50am Tu 12:30pm - 3:20pm Tu 9:30am - 10:20am	CCC 1100 CHM 1342 PHY 2208	 Lab Discussion

CHEM271 **General Chemistry and Energetics**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM272. Credit only granted for: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly: CHEM113.

An introduction to the physical aspects of chemistry; chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

2222	Bonnie Dixon	Seats (Total: 27)	
	MW 11:00am - 11:50am Tu 8:00am - 8:50am	CHM 1407 PHY 2211	 Discussion
2225	Bonnie Dixon	Seats (Total: 27)	
	MW 11:00am - 11:50am Tu 9:30am - 10:20am	CHM 1407 PHY 2211	 Discussion

2227	Bonnie Dixon MW 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 27) CHM 1407 PHY 2211	Discussion
2242	Bonnie Dixon MW 11:00am - 11:50am Th 8:00am - 8:50am	Seats (Total: 27) CHM 1407 PHY 2211	Discussion
2245	Bonnie Dixon MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) CHM 1407 PHY 2211	Discussion
2247	Bonnie Dixon MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 27) CHM 1407 PHY 0405	Discussion
2326	Bonnie Dixon MW 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 27) CHM 1407 PHY 2124	Discussion
2327	Bonnie Dixon MW 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 27) CHM 1407 PHY 2124	Discussion
2328	Bonnie Dixon MW 3:00pm - 3:50pm Tu 3:30pm - 4:20pm	Seats (Total: 27) CHM 1407 PHY 2124	Discussion
2346	Bonnie Dixon MW 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 27) CHM 1407 PHY 2124	Discussion
2347	Bonnie Dixon MW 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 27) CHM 1407 PHY 2124	Discussion
2348	Bonnie Dixon MW 3:00pm - 3:50pm Th 3:30pm - 4:20pm	Seats (Total: 27) CHM 1407 PHY 2124	Discussion

SEF1	Natalia White M 6:00pm - 7:50pm W 6:00pm - 6:50pm *Must be in the Science in the Evening (SIE) program.*	Seats (Total: 10) CHM 1228 ESJ B0320	Discussion

CHEM272 **General Bioanalytical Chemistry Laboratory**

Credits: 2 Grading Method: Regular, Pass-Fail

Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM271. Credit only granted for: CHEM227, CHEM272 or CHEM277.

An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques.

Students must pay a $70.00 laboratory materials fee.

8122	Amanda Schech F 11:00am - 11:50am M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 ESJ 2316	Lab
8132	Amanda Schech F 11:00am - 11:50am M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 ESJ 2316	Lab
8222	Amanda Schech F 11:00am - 11:50am Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 ESJ 2316	Lab
8231	Amanda Schech F 11:00am - 11:50am Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 ESJ 2312	Lab
8321	Amanda Schech F 11:00am - 11:50am W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 ESJ 2312	Lab
8331	Amanda Schech F 11:00am - 11:50am W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 ESJ 2312	Lab

8341	Amanda Schech F 11:00am - 11:50am W 7:00pm - 9:50pm	Seats (Total: 12) CHM 1407 ESJ 2312	 Lab
8421	Amanda Schech F 11:00am - 11:50am Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 ESJ 2312	 Lab
8431	Amanda Schech F 11:00am - 11:50am Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 ESJ 2312	 Lab
9121	Amanda Schech F 3:00pm - 3:50pm M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 ESJ 2312	 Lab
9131	Amanda Schech F 3:00pm - 3:50pm M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 ESJ 2312	 Lab
9221	Amanda Schech F 3:00pm - 3:50pm Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 ESJ 2312	 Lab
9232	Amanda Schech F 3:00pm - 3:50pm Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 ESJ 2316	 Lab
9322	Amanda Schech F 3:00pm - 3:50pm W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 ESJ 2316	 Lab
9332	Amanda Schech F 3:00pm - 3:50pm W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 ESJ 2316	 Lab
9422	Amanda Schech F 3:00pm - 3:50pm Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 ESJ 2316	 Lab

9432	Amanda Schech F 3:00pm - 3:50pm Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 ESJ 2316	Lab
SEF1	Amanda Schech M 8:00pm - 8:50pm W 7:00pm - 9:50pm *Must be in the Science in the Evening (SIE) program.*	Seats (Total: 8) ONLINE ESJ 2312	Lab

CHEM277 **Fundamentals of Analytical and Bioanalytical Chemistry Laboratory**

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CHEM241 and CHEM242; or minimum grade of C- in CHEM247. Corequisite: CHEM276. Restriction: Must be in one of the following programs (Chemistry; Biochemistry). Credit only granted for: CHEM153, CHEM227, CHEM272 or CHEM277.

Quantitative analysis, inorganic analytical chemistry, and an introduction to bio-analytical instrumentation and techniques.

Students must pay a $70.00 lab materials fee.

8111	Yu Liu F 11:00am - 11:50am MW 12:00pm - 2:50pm	Seats (Total: 18) CHM 2201 ESJ 0312	Lab
8121	Yu Liu F 11:00am - 11:50am TuTh 12:30pm - 3:20pm	Seats (Total: 18) CHM 2201 ESJ 0312	Lab

CHEM398 **Special Projects**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Honors projects for undergraduate students.

Limited to chemistry honors students. Consult with Dr. Friedman.

Contact department for information to register for this course.

CHEM399A **Introduction to Chemical Research**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Contact department for information to register for this course.

CHEM399B **Introduction to Chemical Research**

(Perm req)

Credits: 2

Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Contact department for information to register for this course.

CHEM399C **Introduction to Chemical Research**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Contact department for information to register for this course.

CHEM399X **Introduction to Chemical Research; Chemistry Instruction**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

0101	Lee Friedman	Seats (Total: 8)
	Contact instructor or department for details.	

CHEM403 **Radiochemistry**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed one year of college chemistry and one year of college physics.

Radioactive decay; introduction to properties of atomic nuclei; nuclear processes in cosmology; chemical, biomedical and environmental applications of radioactivity; nuclear processes as chemical tools; interaction of radiation with matter.

0101	Alice Mignerey	Seats (Total: 40)	
	MWF 12:00pm - 12:50pm	CHM 2201	

CHEM425 **Instrumental Methods of Analysis**

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM272 and CHEM271; or (CHEM276 and CHEM277).

Modern instrumentation in analytical chemistry. Electronics, spectroscopy, chromatography and electrochemistry.

Students must pay a $70.00 laboratory materials fee.

0101	Natalia White	Seats (Total: 12)	
	MW 10:00am - 10:50am	CHM 1402	
	MW 12:00pm - 2:50pm	CHM 3228	Lab

0102	Natalia White MW 10:00am - 10:50am TuTh 12:30pm - 3:20pm	Seats (Total: 12) CHM 1402 CHM 3228	 Lab
0104	Natalia White MW 10:00am - 10:50am TuTh 9:30am - 12:20pm	Seats (Total: 12) CHM 1402 CHM 3228	 Lab
0105	Natalia White MW 10:00am - 10:50am MW 6:00pm - 8:50pm	Seats (Total: 12) CHM 1402 CHM 3228	 Lab
0109	Natalia White MW 10:00am - 10:50am TuTh 6:30pm - 9:20pm	Seats (Total: 12) CHM 1402 CHM 3228	 Lab

CHEM441 **Advanced Organic Chemistry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in CHEM480 or CHEM481; and 1 course with a minimum grade of C- from (CHEM241, CHEM247). Jointly offered with: CHEM641.

An advanced study of the compounds of carbon, with special emphasis on molecular orbital theory and organic reaction mechanisms.

0101	Benjamin Boyle MW 4:00pm - 5:15pm	Seats (Total: 35) CHM 2201

CHEM460 **Structure Determination Using Spectroscopic Methods**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed CHEM243; or CHEM247; or (CHEM241 and CHEM242). Formerly: CHEM660.

The use of infrared, ultraviolet-visible, proton and carbon-13 nuclear magnetic resonance and mass spectroscopy for structure determination in organic chemistry.

0101	Myles Poulin MWF 10:00am - 10:50am	Seats (Total: 40) CHM 2201

CHEM480 **Principles of Physical Chemistry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: (CHEM276 or CHEM271); and (CHEM277 or CHEM272); and (MATH140 or MATH136); and (PHYS260 and PHYS261) or PHYS132. Credit only granted for: CHEM480 or CHEM481; CHEM480, BCHM485 or CHEM482.

Covers elementary thermodynamics, principles of kinetics and catalysis and selected topics in molecular quantum mechanics, spectroscopy and statistical mechanics. Topics will emphasize core subjects along with applications to biosciences, materials science, environmental science and related areas.

0101	Amy Mullin	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	CHM 2201

CHEM481 **Physical Chemistry I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM135; or minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. And minimum grade of C- in MATH141. And minimum grade of C- in PHYS260 and PHYS261; or minimum grade of C- in PHYS142. Credit only granted for: CHEM481 or CHEM480.

Thermodynamics and kinetics of chemical and molecular systems. Topics may include internal energy, heat, work, enthalpy, entropy, free energy, and spontaneity as well as reaction order, differential rate laws, integrated rate laws, and rate laws for multi-step processes.

0101	Christopher Jarzynski	Seats (Total: 116)
	MWF 9:00am - 9:50am	CHM 1402

CHEM482 **Physical Chemistry II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM135; or minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. And minimum grade of C- in MATH141. And minimum grade of C- in PHYS260 and PHYS261; or minimum grade of C- in PHYS142. Credit only granted for: CHEM482, BCHM485 or CHEM480.

Quantum mechanical nature of atoms and molecules. Topics may include model systems for electronic, vibrational, rotational and translational energies as well as connections to molecular spectroscopy and thermal distributions.

0101	Leah Dodson	Seats (Total: 42)
	MWF 9:00am - 9:50am	PHY 2106

CHEM483 **Physical Chemistry Laboratory I**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in CHEM481.

An introduction to the principles and application of quantitative techniques in physical chemical measurements. Experiments will be coordinated with topics in CHEM481.

Students must pay a $70.00 lab materials fee.

0114	Amanda Souna F 10:00am - 10:50am Tu 9:30am - 12:20pm	Seats (Total: 18) CHM 1402 CHM 3225	 Lab
0124	Amanda Souna F 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 18) CHM 1402 CHM 3225	 Lab
0144	Amanda Souna F 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 18) CHM 1402 CHM 3225	 Lab
0154	Amanda Souna F 10:00am - 10:50am Th 9:30am - 12:20pm	Seats (Total: 18) CHM 1402 CHM 3225	 Lab

CHEM484 **Physical Chemistry Laboratory II**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in CHEM482.

Advanced quantitative techniques necessary in physical chemical measurements. Experiments will be coordinated with topics in CHEM 482.

Students must pay a $70.00 laboratory materials fee.

0124	Amanda Souna Th 3:30pm - 4:20pm W 3:00pm - 5:50pm	Seats (Total: 12) CHM 2201 CHM 3221	 Lab
0134	Amanda Souna Th 3:30pm - 4:20pm W 10:00am - 12:50pm	Seats (Total: 12) CHM 2201 CHM 3221	 Lab

CHEM601 **Structure and Bonding of Molecules and Materials**

Credits: 3 Grading Method: Regular, Audit

Development of the tools necessary to use the knowledge of structure and bonding of molecules and solids in the practice of synthetic inorganic and materials chemistry. Several bonding models are covered, from the simple valence bond and ligand field models to a quantitative group theoretical treatment of molecular orbital theory and band structure descriptions of solids. Concepts of electron counting and oxidation state and ligand characteristics are revisited in terms of the more sophisticated bonding models. Finally, these models are used to analyze the reactivity, magnetic and spectroscopic properties of inorganic coordination compounds. Prior advanced inorganic and/or advanced quantum chemistry courses are not prerequisites.

0101	Lawrence Sita	Seats (Total: 40)
	MWF 9:00am - 9:50am	CHM 2201

CHEM608K **Selected Topics in Inorganic Chemistry; Chemistry Teaching and Learning in Higher Education**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Topics of special interest and current importance.

Cross-listed with BIOL608K, CBMG699K, and ENTM699K. Credit will be grant edfor only one of the following: BIOL608K, CBMG699K, CHEM608K, or ENTM699K.

0101	Gili Ad-Marbach	Seats (Total: 12)
	W 11:00am - 12:40pm	BPS 1208

CHEM611 **Professional Skills for New Graduate Students**

Credits: 1 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (Chemistry (Master's); Biochemistry (Master's); Biochemistry (Doctoral); Chemistry (Doctoral)) ; and must be a new graduate student.

Covers a wide range of topics in professional development for new graduate students.

0101	Efrain Rodriguez	Seats (Total: 40)
	F 2:00pm - 3:15pm	CHM 1402

CHEM625 **Separation Methods in Quantitative Analysis**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: CHEM482; or students who have taken courses with comparable content may contact the department.

The theory and application for quantitative analysis of various forms of chromatography, ion exchange, solvent extraction, distillation, and mass spectroscopy.

0101	Ling Hao	Seats (Total: 25)
	TuTh 8:00am - 9:15am	CHM 2201

CHEM640 Problems in Organic Reaction Mechanisms

Credits: 1 Grading Method: Regular, Audit

A tutorial type course dealing with the basic description of the fundamentals of writing organic reaction mechanisms.

0101	Xiaodong Shi	Seats (Total: 25)
	F 11:00am - 11:50am	CHM 1228

CHEM641 Organic Reaction Mechanisms

Credits: 3 Grading Method: Regular, Audit

Jointly offered with CHEM441.

0101	Benjamin Boyle	Seats (Total: 35)
	MW 4:00pm - 5:15pm	CHM 2201

CHEM684 Chemical Thermodynamics

Credits: 3 Grading Method: Regular, Audit

Prerequisite: CHEM482; or students who have taken courses with comparable content may contact the department.

0101	Zhiwei Li	Seats (Total: 27)
	TuTh 11:00am - 12:15pm	CHM 2201

CHEM689N Special Topics in Physical Chemistry; Fundamentals and Applications of Nanochemistry

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

0101	YuHuang Wang	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	CHM 2201

CHEM690 Quantum Chemistry I

Credits: 3 Grading Method: Regular, Audit

0101	Hongzhou Ye	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CHM 2201

CHEM699 Special Problems in Chemistry

Credits: 1-6 Grading Method: Regular, Audit

Laboratory experience in a research environment.

Open only to non-thesis Master's degree candidates.

Contact department for information to register for this course.

CHEM799 Master's Thesis Research

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

CHEM889A Seminar; Analytical, Nuclear and Environmental Chemistry

Credits: 1 Grading Method: Regular, Audit

0101	Alice Mignerey	Seats (Total: 15)
	Th 3:00pm - 4:15pm	CHM 1112

CHEM889C Seminar; Inorganic Chemistry

Credits: 1 Grading Method: Regular, Audit

0101	Benjamin Boyle	Seats (Total: 25)
	Th 11:00am - 12:15pm	CHM 1112

CHEM889D Seminar; Organic Chemistry

Credits: 1 Grading Method: Regular, Audit

0101	Benjamin Boyle	Seats (Total: 25)
	Th 11:00am - 12:15pm	CHM 1112

CHEM889E Seminar; Physical Chemistry

Credits: 1 Grading Method: Regular, Audit

Cross-listed with CHEM898F and CHPH709A. Credit will be granted for one ofthe following: CHEM889E, CHEM889F, or CHPH709A.

0101	Yu Liu	Seats (Total: 15)
	W 11:00am - 12:15pm	CHM 1112

CHEM889F Seminar; Chemical Physics

Credits: 1 Grading Method: Regular, Audit

Cross-listed with CHEM898E and CHPH709A. Credit will be granted for one ofthe following: CHEM889E, CHEM889F, or CHPH709A.

0101	Yu Liu	Seats (Total: 15)
	W 11:00am - 12:15pm	CHM 1112

CHEM889M **Seminar; Materials Chemistry**

Credits: 1 Grading Method: Regular, Audit

Contact department for information to register for this course.

CHEM898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

CHEM899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

CHIN Chinese Fall 2025

CHIN100 **Introduction to Chinese Language and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An introduction to the Chinese language and Chinese culture, covering the linguistic, ethnic, and religious diversity of China, and to explore the rich nuances of Chinese culture. The curriculum covers a wide range of topics, including the origins and evolution of Chinese characters, poetry, philosophy, calligraphy, and painting.

No prior Chinese background is required; taught in English.

0101	Yuli Wang	Seats (Total: 15)
	MWF 12:00pm - 12:50pm	JMZ 2120

CHIN121 **Elementary Chinese I**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ACTLF Novice Low proficiency in all language skills, or must have attained appropriate World Language Placement score. Credit only granted for: CHIN121 or CHIN101. Formerly: CHIN101.

Introduces Chinese phonetic system and writing system; develops students' Chinese proficiency on the basic linguistic skills of listening, speaking, reading and writing as well as their cultural competence.

0101	Jung-Jung Lee-Heitz	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMZ 1224
	Class time/details on ELMs	ONLINE

0201	Mei Kong MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 15) JMZ 2207 ONLINE
0301	Mei Kong MWF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 15) JMZ 2207 ONLINE

CHIN169A **Special Topics in Study Abroad I; Elementary Chinese I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CHIN169B **Special Topics in Study Abroad I; Elementary Chinese II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CHIN201 **Intermediate Spoken Chinese I**

(Perm req)

Credits: 3 Grading Method: Regular CORE: HO

Prerequisite: CHIN102; or must have attained appropriate World Language Placement (WLP) score. Corequisite: CHIN202. Additional information: Must be taken in conjunction with CHIN202.

Emphasis on development of conversational skills with vocabulary build-up and controlled conversation.

0101	Guiling Hu MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 1103
0201	Guiling Hu MWF 12:00pm - 12:50pm	Seats (Total: 15) JMZ 1103

CHIN202 **Intermediate Written Chinese I**

(Perm req)

Credits: 3 Grading Method: Regular CORE: HO General Education: DVCC

Prerequisite: CHIN103; or must have attained appropriate World Language Placement (WLP) score. Corequisite: CHIN201. Additional information: Must be taken in conjunction with CHIN201.

Reading and writing skills with emphasis on grammar and Chinese characters.

0101	Guiling Hu Class time/details on ELMs	Seats (Total: 15) ONLINE

0201	Guiling Hu	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

CHIN203 **Intermediate Spoken Chinese II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: CHIN201; or students who have taken courses with comparable content may contact the department; or must have attained appropriate World Language Placement (WLP) score. Corequisite: CHIN204. Additional information: Must be taken in conjunction with CHIN204.

Continuation of CHIN201.

Contact department for information to register for this course.

CHIN269B **Special Topics in Study Abroad II; Chinese Business Issues and Practices**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CHIN269I **Special Topics in Study Abroad II; Intermediate Spoken Chinese I**

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CHIN269P **Special Topics in Study Abroad II; The China Phenomenon**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CHIN269W **Special Topics in Study Abroad II; Chinese Calligraphy II**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CHIN301 **Advanced Chinese I**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: CHIN203 and CHN204; or CHIN207; or students who have taken courses with comparable content may contact the department.

Readings in expository and fictional writing with conversation and composition.

0101	Jung-Jung Lee-Heitz MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 1224
0201	Yuli Wang MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 1120

CHIN307 **Linguistic Landscape of China**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Prerequisite: Must have completed CHIN204 or above; or permission of Chinese Program Advisor.

Comprehensive introduction to Chinese and other major languages in the Sino-Tibetan, Altaic, Austroasiatic, and Austronesian families, all of which are spoken in China. Taught in English.

0101	Minglang Zhou TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 2206

CHIN313 **Chinese Poetry and Prose in Translation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | , D

Writing of the major poets, essayists, and historians from the 10th century B.C. to the 12th century A.D. No knowledge of Chinese is required.

Contact department for information to register for this course.

CHIN315 **Modern Chinese Literature in Translation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | , D | General Education: DSHU

Major works of fiction and drama from 1920 to the present read in the context of social and literary change. Emphasis on western and traditional Chinese influences on the writers and their works. No knowledge of Chinese required.

0101	Andrew Schonebaum TuTh 3:30pm - 4:45pm	Seats (Total: 30) JMZ 2206

CHIN331 **Chinese Calligraphy: Theory and Practice**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHIN220; or permission of instructor.

History of the writing system; major scripts, modes, and styles. Intermediate brushwork and lectures on the culture. Characters for practice selected to correspond to lecture topics. Taught in English.

0101	Yuli Wang	Seats (Total: 15)
	W 1:00pm - 3:30pm	EDU 1315

CHIN369B **Special Topics in Study Abroad III; Advanced Chinese I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CHIN369C **Special Topics in Study Abroad III; Advanced Chinese II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CHIN369D **Special Topics in Study Abroad III; Advanced Chinese III**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CHIN369E **Special Topics in Study Abroad III; Advanced Chinese IV**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CHIN386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Must have learning proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.

Contact department for information to register for this course.

CHIN401 **Readings in Modern Chinese I**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: CHIN302; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors.

Readings in history, politics, economics, sociology, and literature. Emphasis on wide-ranging, rapid reading, reinforced by conversations and compositions.

0101	Jung-Jung Lee-Heitz	Seats (Total: 15)
	MWF 1:00pm - 1:50pm	JMZ 1224

CHIN411 **Business Chinese I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHIN402; or permission of ARHU-School of Languages, Literatures, and Cultures department. And must have taken a placement interview offered by the department for Non-majors.

Conversation, reading, and writing applicable to Chinese business transactions, social meetings, and meetings with government organizations, plus background material in English on professional business practices and social customs associated with business.

0101	Jung-Jung Lee-Heitz	Seats (Total: 15)
	MWF 12:00pm - 12:50pm	JMZ 1224

CHIN425 **Ethnic and Cultural Diversity in China**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVUP

Recommended: Any CHIN course or course on China.

This course looks into ethnic and cultural diversity in China. It examines the evolution of the People's Republic of China's (PRC) ethnic policies in relation to nation-state building over the last six decades. Specifically, it studies how the PRC has categorized the Chinese people into 56 ethnic groups, how it has made affirmative action policies to accommodate ethnic diversity, and what problems its approaches have experienced and what solutions it has proposed in its accommodation of ethnicity and diversity in the 21st century. To examine the above issues, the course introduces and applies the concepts of ethnicity, nationality, ethnic nationalism, civic nationalism, identity, social Darwinism, the Soviet model of multinational state building, the Chinese model of inclusive Chinese nation state building, citizenship, individual rights, group rights, equality, and diversity.

0101	Minglang Zhou	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 2123

CHIN499 **Directed Study in Chinese**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Readings in Chinese under faculty supervision.

Contact department for information to register for this course.

CHPH Chemical Physics Fall 2025

CHPH618 **Special Projects in Chemical Physics**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Independent reading and study covering chemical physics subject areas not available in other courses.

Contact department for information to register for this course.

CHPH709A **Seminar in Chemical Physics; Physical Chemistry**

Credits: 1 Grading Method: Regular, Audit

Current research and developments in chemical physics.

Jointly offered with CHEM898E and CHEM898F. Credit will be granted for o ne ofthe following: CHEM889E, CHEM889F, or CHPH709A.

0101	Yu Liu W 11:00am - 12:15pm	Seats (Total: 15) CHM 1112

CHPH709B **Seminar in Chemical Physics; Statistical Physics**

Credits: 1 Grading Method: Regular, Audit

Current research and developments in chemical physics.

Cross-listed with PHYS709.

0101	Pratyush Tiwary Tu 1:15pm - 2:30pm	Seats (Total: 30) IPT 1116

CHPH709L **Seminar in Chemical Physics; Biophysics**

Credits: 1 Grading Method: Regular, Audit

Current research and developments in chemical physics.

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 20) IPT 1116

CHPH718I **Special Topics in Chemical Physics; Chemical Physics Rotation**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

A discussion of current research problems in chemical physics.

For Chemical Physics Students only.

0101	Wendell Hill Class time/details on ELMs	Seats (Total: 5) ONLINE
0201	Wendell Hill Contact instructor or department for details.	Seats (Total: 10)

CHPH799 **Master's Thesis Research**

(Perm req) Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

CHPH898 **Pre-Candidacy Research**

(Perm req) Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

CHPH899 **Doctoral Dissertation Research**

(Perm req) Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

CHSE Counseling, Higher Education, and Special Education — Fall 2025

CHSE200 **College Success and Life Planning - Managing College and Career Life through Goal Development and Planning**

(Perm req) Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the TerpsEXCEED Program; and permission from TerpsEXCEED Director. Additional information: Priority enrollment for students in the TerpsEXCEED program.

The overarching goal of this course is to guide new students affiliated with the TerpsEXCEED program in navigating the initial stages of college, career and campus life management. The course is organized around Academic and Career Habits, Cultural Know-How, Balance of Multiple Roles, and Self-Direction in order to address (a) skills and interest assessments, (b) goal setting, (c) organizational and independent living skills development, (d) travel and transportation orientation to navigate and access campus and College Park, (e) financial planning, (f) safety, (g) social activity access, and (h) basic scheduling and time management. TerpsEXCEED students will be matched with typical student peer supports for a more normalized college experience.

0101	Amy D'Agati, Meredith Gramlich	Seats (Total: 10)
	TuTh 9:30am - 10:45am	EDU 2102

CHSE205 **Disability: From Stigma and Sideshow to Mainstream and Main Street**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, DVUP, SCIS

Credit only granted for: EDSP289I or CHSE205. Formerly: EDSP289I.

Explores the cultural, historical, educational, and medical roots of difference among human beings and examines the impact of cultural and technological changes on individuals traditionally identified as disabled. The course is designed to develop a broad understanding of the concept of "disability" and the emerging technologies that shape contemporary understanding of this phenomenon and the lives of those considered disabled.

0101	Yewon Lee TuTh 9:30am - 10:45am Class time/details on ELMs	Seats (Total: 60) TWS 1310 ONLINE
0201	Yewon Lee TuTh 8:00am - 9:15am Class time/details on ELMs	Seats (Total: 60) TWS 1310 ONLINE

CHSE228C **Common Ground Deliberative Dialogues; Civic Engagement for Social Good**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Students will explore current societal issues through an intergroup, deliberative dialogue model. The course includes foundations of dialogue, identity reflection, peer leadership, engagement across differences, and dialogic skill-building.

Students will explore current societal issues through an intergroup, deliberative dialogue model. The course includes foundations of dialogue, identity reflection, peer leadership, engagement across differences, and dialogic skill-building.

0101	Nikita Kimani **Meets September 2, 2025 - October 17, 2025** Tu 4:00pm - 6:00pm	Seats (Total: 20) SQH 1105
0201	Nikita Kimani **Meets October 22, 2025 - December 8, 2025** W 4:00pm - 6:00pm	Seats (Total: 20) SQH 1103
0301	Nikita Kimani **Meets October 20, 2025 - December 8, 2025** M 4:00pm - 6:00pm	Seats (Total: 16) SQH 2113

CHSE230 **Career Exploration and Development**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the TerpsEXCEED program; and permission from the College of Education Student Services office.

This course prepares TerpsEXCEED students for on-the-job internship experiences in future semesters by guiding them through career exploration, discovery, and skill development. Students will complete career assessments, develop resumes, practice interviews, engage employers, learn how to fill out applications, practice technical and soft skills to improve employability, and secure internship options for the next semester.

0101	Isabelle Grable TuTh 11:00am - 12:15pm	Seats (Total: 25) EDU 3233

CHSE376 **Fundamentals of Sign Language**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Credit only granted for: EDSP376 or CHSE376. Formerly: EDSP376.

Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

0101	Michael Dunham MW 2:00pm - 3:15pm	Seats (Total: 22) TYD 1102	
0201	Colleen McGilpin TuTh 11:00am - 12:15pm	Seats (Total: 20) ONLINE	
0301	Elizabeth Martinez MW 6:15pm - 7:30pm	Seats (Total: 22) ONLINE	
0401	Chanai Brewster TuTh 6:30pm - 7:45pm	Seats (Total: 20) ONLINE	
FC01	Michael Dunham TuTh 4:30pm - 5:45pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 14) JMZ 1224 ONLINE	Discussion

CHSE389 **Independent Study**

Credits: 3 | Grading Method: Regular, Audit

Customized project based on an individual topic area within Counseling, Higher Education and Special Education

Contact department for information to register for this course.

CHSE476 **Communicating with Sign Language**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: EDSP376 or CHSE376. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Credit only granted for: EDSP476 or CHSE476. Formerly: EDSP476.

Intermediate level receptive/expressive skills in American Sign Language. Aspects of the culture, history, and research perspectives of the deaf community.

0101	Michael Dunham MW 3:30pm - 4:45pm	Seats (Total: 20) TYD 0102

CHSE489 **Internship - Terps Exceed**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Builds on students' individual career exploration process, which determines what types of internships students participate in. It is a fully experiential course that requires on-the-job experiences related to career interests and course of study; an additional semester can involve expansion of a position with new learning tasks or a new position. Students are graded on self-reflections, employer feedback, instructor observations and a final project demonstrating newly gained on-the-job knowledge and an updated career plan.

1901	Amy D'Agati Contact instructor or department for details.	Seats (Total: 15)
3201	Stacie Brownrigg Contact instructor or department for details.	Seats (Total: 10)

CHSE498 **Independent Study**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

In collaboration with the approved instructor, students will define the scope of a service or research-based project, create a plan and timeline (with goals and projected outcomes), and present a product that demonstrates outcomes. This could include doing a service project with a Center or course within CHSE or specific program that aligns with a career interest or passion.

2401	Meredith Gramlich Contact instructor or department for details.	Seats (Total: 10)

CINE Cinema and Media Studies Fall 2025

CINE245 **Film Form and Culture**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHU

Cross-listed with: ENGL245. Credit only granted for: ENGL245, CINE245 or FILM245. Formerly: FILM245.

Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

0101	Oliver Gaycken MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) TWS 0320 ASY 3219	Discussion
0102	Oliver Gaycken MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 22) TWS 0320 TWS 0214	Discussion
0103	Oliver Gaycken MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) TWS 0320 ASY 3219	Discussion
0104	Oliver Gaycken MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 22) TWS 0320 ASY 3219	Discussion

CINE280 **Film Art in a Global Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP

Cross-listed with: CMLT280. Credit only granted for: CINE280, FILM298D or CMLT280. Formerly: FILM298D.

Comparative study of a variety of film traditions from around the world, including cinema from Hollywood, Europe, Asia and developing countries, with a stress on different cultural contexts for film-making and viewing.

0101	Joshua Weiss MWF 1:00pm - 1:50pm	Seats (Total: 30) TWS 0234	
0201	Porter Olsen TuTh 11:00am - 12:15pm	Seats (Total: 30) TWS 0234	

CINE283 **Iranian Cinema**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Cross-listed with: PERS283. Credit only granted for: PERS283, CINE283 or FILM298B.

Introduction to Iranian cinema, society, and culture. Taught in English.

0101	Marjan Moosavi	Seats (Total: 30)
	M 2:00pm - 3:15pm W 2:00pm - 3:15pm	ONLINE JMZ 2206

CINE298A **Special Topics in International Film Studies; Masterpieces in French and Francophone Cinemas**

Credits: 3 Grading Method: Regular, Pass-Fail

Special topics in International Film.

XLed with FREN243. Credits granted for CINE298A or FREN243 only. This course, taught in English, will present a large array of films directed by famous French directors (Jean Renoir, Robert Bresson, Jean-Luc Godard, Agnes Varda, etc..) and Francophone filmmakers (Arcand,Sembene) who were internationally known in their time and have had a considerable influence on today's filmmakers in the U.S. (Tarantino, Lynch, Lee, etc..) and abroad (Sissoko, Angelopoulos, VonTrier, ect..).

0101	Caroline Eades	Seats (Total: 20)
	MW 2:00pm - 3:15pm	JMZ 0103

CINE299L **Special Topics in Film Studies; The 'Jew' in American Literature and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Selected topics on the study of film, cinematic experience, film as art-object, or recent debates in the field. Repeatable up to 9 credits if content differs.

Cross listed with ENGL289L and JWST219L. Credit only granted for JWST219L or ENGL289L or CINE299L. An exploration of the role played by literature in the development of American Jewish ethnic identity. Primary materials include essays, poetry, plays, short stories, novels, films and music.

0101	Eric Zakim	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	KEY 0103

CINE301 **Cinema History I: The Silent Era**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENGL245, CINE245, or FILM245; or permission of ARHU-College of Arts & Humanities. Credit only granted for: CINE301 or FILM301. Formerly: FILM301.

Examines the development of silent cinema from the 1890s to the early 1930s drawing on at least five distinct national traditions (French, German, Russian, British, and American). Introduces students to key cinematic conventions as they emerged around the world.

Priority given to Cinema and Media Studies majors

0101	Elizabeth Papazian	Seats (Total: 30)	
	MW 12:00pm - 1:50pm	ESJ B0322	

CINE310 **Introduction to Filmmaking 1**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of the Cinema and Media Studies program. Credit only granted for: CINE319M or CINE310. Formerly: CINE319M.

This practice-based course offers an introduction to the foundational skills, techniques, and principles of filmmaking. Prior film or video production experience is not necessary.

0101	Nathaniel Stevens	Seats (Total: 15)	
	W 12:00pm - 1:15pm	JMZ 1104	
	W 1:15pm - 3:45pm	JMZ 1104	Lab

CINE315 **Editing for Film and Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CINE245 or ENGL245. Corequisite: CINE310. Restriction: Permission of Cinema and Media Studies Program.

Provides advanced training for students to edit their narrative, documentary, or animation projects, as well as reference material. Students will learn to design their film's visual storytelling, taking their projects from the shooting script and storyboard to rough cuts and picture look.

If you are interested in this course but do not meet the pre/co-requisites please contact the instructor at yaelin@umd.edu.

0101	Yael Inbar	Seats (Total: 15)	
	TuTh 2:00pm - 3:45pm	TLF 0110	

CINE319P **Special Topics in Documentary, Animation, Experimental Cinema, and Other Visual Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examine the possibilities of non-narrative cinema, or cinema that is structured differently from the fiction feature film, as well as other media (television, digital imagery, and photography) that entertain a close relationship with cinema in terms of form, content, and audience. Content varies.

5501	Samuel Crawford	Seats (Total: 10)	
	TuTh 10:00am - 11:50am	PAC 2727	Lab
	Class time/details on ELMs	ONLINE	Lab

CINE319Z **Special Topics in Documentary, Animation, Experimental Cinema, and Other Visual Media; The Henson Family as Filmmakers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examine the possibilities of non-narrative cinema, or cinema that is structured differently from the fiction feature film, as well as other media (television, digital imagery, and photography) that entertain a close relationship with cinema in terms of form, content, and audience. Content varies.

Prerequisite: ENGL245, FILM245, or CINE245; or permission of ARHU-College of Arts & Humanities. Cross-listed with ENGL329Z. Credit only granted for ENGL329Z or CINE319Z.

0101	Paul Cote	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	TWS 0230

CINE329T **Special Topics in National/International Cinemas; Sports in Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examine one or more national cinematic traditions (including Hollywood cinema), or may look across traditions comparatively, for example at international and/or transnational phenomena. Content varies.

Explores the global development of sports, cinema, and politics as intertwined during the 20th and 21st centuries. Examining works by pioneering directors such as Ken Burns, Leni Riefenstahl, Martin Scorsese, Steve James, Spike Lee, Oliver Stone, Gurinder Chadha, Jafar Panahi, and Asif Kapadia, the course focuses on the critical depictions of athletes, coaches, fans, and families across cinematic genres such as documentaries, biopics, drama, and comedy.

0101	Daniel Richter	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

CINE329Y **Special Topics in National/International Cinemas; Iranian Life in Literature and Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examine one or more national cinematic traditions (including Hollywood cinema), or may look across traditions comparatively, for example at international and/or transnational phenomena. Content varies.

Cross-listed with PERS353. Credit granted only for CINE329Y or PERS353.

0101	Fatemeh Keshavarz-Karamustafa	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	JMZ 2123

CINE337 **Contemporary Chinese Art and Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Cross-listed with: ARTH392. Credit only granted for: ARTH392, FILM329L or CINE337. Formerly: FILM329L.

Contemporary Chinese art and film are arguably the most vibrant of all national arts at the turn of the millennium and have become the face - both figuratively and literally - of contemporary China, a complex society with historic overlays of Confucianism, Taoism, Buddhism, Communism, Post-socialism, and state capitalism. Students will consider a wide range of art forms (painting, photography, video, installation, web-based media, and film) in four broad themes (uses of the past; critiques of power; representations of race, gender, and sexuality; socially engaged art) and explore the complex intertwining of the political, historical, and aesthetic aspects in Chinese contemporary art and film, as well as the multiple contexts in which these artworks are created and circulated.

0101	Jason Kuo M 1:00pm - 3:30pm	Seats (Total: 25) ASY 4213A

CINE344 **Film and the Fantastic**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENGL245, FILM245, or CINE245; or permission of ARHU-School of Languages, Literatures, and Cultures department. Cross-listed with: SLLC344. Credit only granted for: SLLC344, CINE344 or FILM344. Formerly: FILM344.

Survey of fantastic cinema, encompassing American classics, Hollywood recent productions, and independent films, as well as Asian horror films, anime, and European fantasy.

0101	Paul Cote MWF 1:00pm - 1:50pm	Seats (Total: 20) TWS 0230

CINE345 **The Films of Alfred Hitchcock**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENGL245, FILM245, or CINE245; or permission of ARHU-College of Arts & Humanities. Credit only granted for: CINE345, FILM345 or ENGL329J. Formerly: FILM345.

An examination of important Hitchcock films from the perspective of innovation, aesthetics, and cultural history.

0101	Marianne Conroy TuTh 12:30pm - 1:45pm	Seats (Total: 20) TWS 0230

CINE359C **Special Topics in Genres/Auteurs/Cinema Movements; Disaster Cinema**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examine narrative cinema from the perspective of content (themes, issues, structures) and style through the lens of genre, auteurship (a concept of authorship in film studies), and/or historical aesthetic movements that have been influential in the development of cinema as an art and film studies as a field. Content varies.

Exploration of disaster films in Hollywood and global cinema during the past century. The course will examine disaster films, such as Godzilla, King Kong, and Contagion, as a form of cinema's critical encounter with war, colonialism, and scientific development.

0101	Daniel Richter	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ONLINE

CINE359D **Special Topics in Genres/Auteurs/Cinema Movements; The Movie Musical**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examine narrative cinema from the perspective of content (themes, issues, structures) and style through the lens of genre, auteurship (a concept of authorship in film studies), and/or historical aesthetic movements that have been influential in the development of cinema as an art and film studies as a field. Content varies.

Studies the movie musical in all its forms: from The Jazz Singer and the apotheosis of MGM musicals in the 1930s, through contemporary international musicals (Emilia Perez, The End, La La Land) and various forms, incarnations, and musical experiments in-between (West Side Story, The Umbrellas of Cherbourg, and Ingmar Bergman's opera-film: The Magic Flute).

0101	Eric Zakim	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 2122

CINE369C **Special Topics in Film Theories; Images of Revolt: Strike, Riot, Uprising**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examines specific methodologies (structuralism, feminism, postcolonialism, etc.) for the critical analysis of film. The course will also consider the historical development of theoretical concepts. Content varies.

Previously offered as CINE319C. Credit only granted for CINE319C or CINE369C. Explores the relationship between images and politics by focusing on representations of three distinct forms of collective action (strike, riot, uprising) across various genres, geographic locations, and historical periods.

0101	Luka Arsenjuk, Mauro Resmini	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	CHM 1224

CINE376 **Writing the Feature Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENGL275, ARHU275, ARHU375 or THET340; or permission of instructor. Cross-listed with: ARHU376. Credit only granted for: ARHU376 or CINE376.

Examines the creative process of developing and writing a feature-length screenplay. Students will experience a collaborative workshop environment, researching stories, pitching feature film ideas, creating a logline, developing a detailed beat sheet and, ultimately, writing a complete first draft of the screenplay.

0101	Ross Angelella	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	JMZ 3203
	Priority given to Cinema and Media Studies majors.	
0102	Ross Angelella	Seats (Total: 5)
	Tu 3:30pm - 6:00pm	JMZ 3203
	Restricted to students in the Jimenez-Porter Writers' house.	

CINE388 **Experiential Learning: Cinema and Media Studies**

Credits: 1-3 Grading Method: Regular, Pass-Fail

Connects students' theoretical understanding of film studies, as obtained through the classroom, to professional experience.

Contact department for information to register for this course.

CINE415 **Advanced Filmmaking**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CINE245 or ENGL245; and CINE310. Restriction: Permission of Cinema and Media Studies Program.

Implementing the process of moving from film script through production to a complete film with an emphasis on conceptualization, aesthetics, advanced production techniques, directing, and finishing touches. Students in the course are expected to produce an original film project based on significant collaborative work.

0101	Mathew Bainbridge	Seats (Total: 15)	
	M 12:00pm - 1:15pm	JMZ 1104	
	M 1:15pm - 3:45pm	JMZ 1104	Lab

CINE419V **Special Topics in Documentary, Animation, Experimental Cinema, and Other Media; Videographic Essay in Theory and Practice**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Advanced studies in Documentary, Animation, Experimental Cinema, and Other Media. Examines the possibilities of non-narrative cinema, or cinema that is structured differently from the fiction feature film, as well as other media (television, digital imagery, and photography) that entertain a close relationship with cinema in terms of form, content, and audience. Content varies.

Prerequisite: CINE301 or CINE302. Priority given to CINE majors Explores the history and theory of the essay as a distinct form, paying special attention to the role of the essay in the history of cinema. Two thirds of the course is practice-based and offers students a chance to experiment and produce their own videographic essays.

0101	Luka Arsenjuk	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	EGR 3111

CINE441 **Italian Cinema I: Neorealism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Cross-listed with: ITAL436. Credit only granted for: CINE441, FILM441 or ITAL436. Formerly: FILM441.

Explores representations of Italy in cinema with special focus on identity formation and the movement of Italian neorealism and post neorealism. Taught in English.

0101	Mauro Resmini	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	ESJ B0322

CINE469Y **Special Topics in Film Theories II; Art, Cinema, Law, Money**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in film theories.

Examines the manners in which law and money constrained and directed the creation, circulation, distribution, and exhibition of art and cinema. Themes to be explored may include: cinematic representations of artists, bankers, and lawyers; how artists (such as Picasso and Zhang Daqian) achieved financial success and critical acclaim through courting of dealers, critics, collectors, and curators; art crimes (forgery, theft, looting, money laundering); how science fiction films were marketed in response to financial pressures; trials in which artists, artworks, and films acted as protagonists; censorship and self-censorship of art and cinema; art as investment and the roles of private banking services in the global art market.

0101	Jason Kuo	Seats (Total: 14)
	Th 2:00pm - 4:30pm	ASY 3217

CINE499 **Directed Study in Cinema and Media Studies**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Readings and Research in Film Studies under faculty supervison.

Contact department for information to register for this course.

CLAS Classics Fall 2025

CLAS169M **Special Topics in Study Abroad I; Myths and Legends**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CLAS170 **Ancient Myths and Modern Lives**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HL General Education: DSHU, SCIS

Cross-listed with: RELS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit.

What are myths and why do we tell them? What powers do myths have? We will tackle these questions by looking at the enduring and fascinating myths from ancient Greece and Rome. In addition to studying how they shaped ancient societies, we will also look at their modern influence and reflect upon the power that myths still hold in our contemporary world. Taught in English.

0101	Chiara Graf MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 21) SPH 1312 KEY 0116	Discussion
0102	Chiara Graf MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 21) SPH 1312 HBK 0125	Discussion
0103	Chiara Graf MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 21) SPH 1312 CHM 1224	Discussion
0104	Chiara Graf MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 21) SPH 1312 ATL 1434	Discussion
0105	Chiara Graf MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 21) SPH 1312 SPH 0305	Discussion
0106	Chiara Graf MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 21) SPH 1312 KEY 0116	Discussion

0107	Chiara Graf MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 21) SPH 1312 KEY 0126	Discussion
0108	Chiara Graf MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 21) SPH 1312 CHM 1228	Discussion
0109	Chiara Graf MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 22) SPH 1312 JMZ 3203	Discussion
FC01	Yanneck Wiegers TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) HBK 1112	
FC02	Yanneck Wiegers TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) MMH 1304	
FC03	Chelsea Stolt MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) ESJ B0324	
FC05	Chelsea Stolt W 6:00pm - 7:15pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 30) MMH 1304 ONLINE	

CLAS180 Discovering the World of Ancient Greece

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DSHU

An exploration of the cultural traits and developments of ancient Greek civilization and its forerunners, from the Bronze Age Mycenaeans and Minoans, through the rise of the classical Greek city-states, to the expansion of Greek cultural influence in the wake of the conquests of Alexander the Great. Drawing upon the evidence of the archaeological remains as well as ancient historical and literary documents, students gain a basic familiarity with the principal monuments and artifacts of classical Greek civilization, the various institutions and values that characterized the Greeks, and the significant historical events that transformed the culture over the course of antiquity.

0101	Jorge Bravo MW 2:00pm - 3:15pm	Seats (Total: 35) MMH 1304	

CLAS274 **What is Romance?**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, SCIS

What is romance? This course approaches the question by reading ancient Greek romance novels in tandem with works inspired by them from a range of times and places. We will attempt to identify which traits define romance in a society and how romance narratives change in translation and adaptation.

0101	Katherine Wasdin TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TMH 0301 JMZ 0125	Discussion
0102	Katherine Wasdin TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TMH 0301 JMZ 2122	Discussion
0103	Katherine Wasdin TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TMH 0301 JMZ 2122	Discussion
0104	Katherine Wasdin TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TMH 0301 JMZ 2206	Discussion
0105	Katherine Wasdin TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TMH 0301 KEY 0125	Discussion
0106	Katherine Wasdin TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TMH 0301 SYM 0209	Discussion

CLAS305 **Archaeological Methods and Practice**

Credits: 3 | Grading Method: Regular | General Education: DSHS

Prerequisite: ANTH240, ARTH200, CLAS180, or CLAS190. Cross-listed with: ANTH305, ARTH305, JWST319Y. Credit only granted for: ANTH305, ARTH305, CLAS305, or JWST319Y.

A team-taught, interdisciplinary course discussing theories, methods, and ethical issues in the practice of archaeology.

0101	George Hambrecht TuTh 2:00pm - 3:15pm	Seats (Total: 35) KEY 0126	

CLAS310 **Ancient Greek and Roman Philosophy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Prerequisite: Must have completed 6 credits in philosophy or classics. Cross-listed with: PHIL310, PHPE308Y. Credit only granted for: PHIL310, CLAS310, or PHPE308Y.

A study of the origins and development of philosophy in ancient Greece and Rome, focusing on Socrates, Plato, Aristotle, the Epicureans, and Stoics.

Cross-listed with PHIL310 and PHPE308Y. Credit only granted for PHIL310, PHPE308Y, or CLAS310.

0101	Lixing Miao TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 20) TYD 0117 TWS 1100	 Discussion
0102	Lixing Miao TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 20) TYD 0117 TYD 0117	 Discussion
0103	Lixing Miao TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 20) TYD 0117 SYM 0200	 Discussion

CLAS312 **The Modernity of Athenian Democracy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DSHU

Examines the question of how Ancient Greek thought can be a tool for facing the challenges of the modern world. Topics such as political participation and engagement in politics, lawfulness and justice, freedom and autonomy, democracy and civic responsibility are found at the core of Ancient Greek thought. In addition to these topics, the course explores, through the teachings of ancient Greek philosophers, historians, and poets, the questions of virtue and happiness at a personal level and the pursuit of happiness at the societal level. Love and friendship are necessary virtues to shape a harmonious and prosperous polis. By studying selected excerpts from the primary sources of Ancient Greek literature in translation, the course defines the core values of democratic society from the viewpoint of the Greeks.

0101	Polyvia Parara MW 2:00pm - 3:15pm	Seats (Total: 35) SKN 1115

CLAS340 **Ancient Slavery and its American Impacts**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP

Cross-listed with: HIST339J. Credit only granted for: CLAS340 or HIST339J.

Interrogates how slavery permeated the ancient Mediterranean societies of Greece and Rome. We will pay particular attention to how hierarchical inequalities are institutionalized, experienced, and represented and to how different marginalized and dominant groups interacted. Enslaved persons performed necessary labor in Greece and Rome and their work was essential for the formation of ancient society in agriculture, mining, domestic spaces, literature, finance, and government. Studying ancient slavery offers a chance to examine Greece and Rome from the bottom up, parsing the scant literary and material evidence for the lives and struggles of enslaved persons. We will practice several different approaches in order to tease out the systematic, economic, political, and personal effects of slavery in the ancient world. The United States of America was also founded as a slave society, and discussions of slavery in the Americas often look back to the ancient Mediterranean. The course will therefore conclude with a unit on how enslavers and abolitionists in the United States utilized and responded to slavery in antiquity.

0101	Katherine Wasdin	Seats (Total: 35)
	TuTh 9:30am - 10:45am	WDS 1114

CLAS499 **Independent Study in Classical Languages and Literatures**

(Perm req) Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

CLFS Chemical and Life Sciences Fall 2025

CLFS608 **Seminar in Current Topics in Chemical and Life Science; Scholarly Paper**

(Perm req) Credits: 1-4 | Grading Method: Regular, Audit

Seminar in current topics in the Life Sciences. Contact Program Director or instructor before registering.

Contact Dr. Joelle Presson (mclfs@umd.edu) to establish a mentor and then contact exst@umd.edu to register. Golden ID students are not eligible for this course.

Contact department for information to register for this course.

CLFS608A **Seminar in Current Topics in Chemical and Life Science; Independent Research**

(Perm req) Credits: 1-3 | Grading Method: Regular, Audit

Seminar in current topics in the Life Sciences. Contact Program Director or instructor before registering.

Contact Dr. Joelle Presson (mclfs@umd.edu) to establish a mentor and then contact exst@umd.edu to register. Golden ID students are not eligible for this course.

Contact department for information to register for this course.

CLFS609C **Special Topics; Mammalian Physiology**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Individual instruction course. Contact Program Director or instructor before registering.

Must be in the Master of Chemical and Life Sciences program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this course.

PLC1	William Higgins	Seats (Total: 5)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE

CLFS609K **Special Topics; Current Topics in Biomedical Research**

Credits: 3 Grading Method: Regular, Audit

Individual instruction course. Contact Program Director or instructor before registering.

Biomedical research worldwide aims to identify ways to prevent and treat diseases that cause illness and death in people and animals. In this course, we will explore a diverse array of biomedical research topics including gene editing, infectious diseases, precision medicine in cancer drug discovery, cognitive aging and Alzheimers disease, drugs of addiction, health disparities, how stress influences health, and psychiatric disorders. The goal of the course is to explore cutting edge advances in biomedicine through reading and discussing primary research articles reporting findings from current studies. Students will feel comfortable delving into, reading, and discussing the primary literature and have a clearer understanding of the biomedical hot topics that are affecting communities worldwide by the end of the course.

PLC1	Cristina Banuelos	Seats (Total: 5)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE
	Must be in the Master of Chemical and Life Sciences program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this course.	

CLFS610 **Natural Products Chemistry**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of CMNS-Chemical & Life Sciences department. Credit only granted for: LFSC609D or LFSC610. Formerly: LFSC609D.

Foundations of natural products chemistry; how nature goes about making (biosynthesizing) these compounds and elements of enzymology and genomics relevant to production of these compounds; relevance of natural products chemistry as a driving force for drug discovery and innovation in biotechnology.

Must be in the Master of Chemical and Life Sciences program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this course.

Click here for program information.

PLC1	Marjan Alaghmand	Seats (Total: 8)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE
	Must be in the Master of Chemical and Life Sciences program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

CMLT Comparative Literature Fall 2025

CMLT235 **Black Diaspora Literature and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Examination of key works by writers of the African Diaspora. Relationship among black people across multiple geographic spaces; Africa, the Caribbean, the United States, Europe, Latin America, and Asia. Specific historical, cultural, and literary contexts; themes such as gender, sexuality, migration, slavery, freedom, and equality. Readings may include literary texts (fiction, poetry, drama), music and film. All readings in English, but drawn from multiple languages of the black diaspora, including English, Spanish, French and Portuguese.

0101	Dennis Winston	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TWS 1106

CMLT269C **Special Topics in Study Abroad II; Modern Catalan Literature**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CMLT270 **Global Literature and Social Change**

Credits: 3 | Grading Method: Regular | CORE: HL, D | General Education: DSHU, DVUP

Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.

0101	Xiaofang Huang	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	LEF 1201

0201	John Tobin	Seats (Total: 30)
	MWF 11:00am - 11:50am	TWS 0214

CMLT275 **World Literature by Women**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Cross-listed with: WGSS275. Credit only granted for: WMST275, CMLT275 or WGSS275. Formerly: WMST275.

Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0201	Daniel Sidman	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TWS 0214

CMLT277 **Literatures of the Americas**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Comparative study of several North, South, and Central American cultures with a focus on the specificities, similarities, and divergences of their literary and cultural texts.

0101	John Macintosh	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ESJ B0320

CMLT280 **Film Art in a Global Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA, D | General Education: DSHU, DVUP

Cross-listed with: CINE280. Credit only granted for: CINE280, FILM298D or CMLT280. Formerly: FILM298D.

Comparative study of a variety of film traditions from around the world, including cinema from Hollywood, Europe, Asia and developing countries, with a stress on different cultural contexts for film-making and viewing.

0101	Joshua Weiss	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	TWS 0234
0201	Porter Olsen	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TWS 0234

CMLT369A **Special Topics in Study Abroad III; Postcolonial Literatures in English I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CMLT369T **Special Topics in Study Abroad III; Politics and Literature in the 20th Century**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CMLT369X **Special Topics in Study Abroad III; Shakespeare and Lope de Vega**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

CMLT386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher; and permission of ARHU-English department.

Contact department for information to register for this course.

CMLT398T **Special Topics in Comparative Studies; Postcolonial Literature in English I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in comparitive studies.

Contact department for information to register for this course.

CMLT498V **Selected Topics in Comparative Studies; Lost in Translation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

CMLT679D **Topics in Comparative Studies; Sex, Gender, and Sexuality in the Islamic World**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Seminar in modern and contemporary literature: as announced.

Cross-listed with PERS498M, PERS689M, CMLT679D, HIST419C, RELS429B, WGSS498D and WGSS698D. Credit only granted for PERS498M, PERS689M, CMLT679D, HIST419C, RELS429B, WGSS498D or WGSS698D.

0101	Matthew Miller	Seats (Total: 15)
	Th 12:30pm - 3:15pm	JMZ 3106A

CMLT679N **Topics in Comparative Studies; Critical Ethnic Literary Studies**

(Perm req)

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Seminar in modern and contemporary literature: as announced.

0101	Chris Eng Th 3:30pm - 6:00pm	Seats (Total: 14) TWS 3250

CMLT679T **Topics in Comparative Studies; Seminar in Poetry Translation**

(Perm req)

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Seminar in modern and contemporary literature: as announced.

Cross listed with ENGL479Y. Credit only for ENGL479Y or CMLT679T.

0101	Joshua Weiner M 3:30pm - 6:00pm	Seats (Total: 14) TWS 3136

CMLT699 **Independent Study**

(Perm req)

Credits: 1-6

Grading Method: Regular

Research and writing on specific readings on a topic selected by the student which is approved and supervised by a faculty member.

Contact department for information to register for this course.

CMLT799 **Master's Thesis Research**

Credits: 1-6

Grading Method: Sat-Fail

Contact department for information to register for this course.

CMLT898 **Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular

Contact department for information to register for this course.

CMLT899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Sat-Fail

Contact department for information to register for this course.

CMNS Computer, Math, and Natural Sciences Fall 2025

CMNS100 **Becoming a Science Terp**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Restriction: Primary major must be in the College of Computer, Mathematical and Natural Sciences (CMNS); and must be first semester CMNS freshman student . Credit only granted for: UNIV100 or CMNS100.

Introduces students to the College of Computer, Mathematical, and Natural Sciences (CMNS) and the University. In a small classroom setting taught by CMNS faculty/staff, students will explore their college transition with a focus on: academic success skills, navigating college and campus resources, diversity, identity and inclusion, and career exploration. Each section of the course will have a CMNS Peer Mentor teaching assistant.

0101	Evelyn Covington-Moore Th 9:00am - 10:50am *Resticted to any CMNS major.*	Seats (Total: 24) SYM 1317
0102	Eden Hurley W 11:00am - 12:50pm *Restricted to BSCI-CHEM-BCHM majors, UMB-Nursing students or Neuroscience majors.*	Seats (Total: 22) HBK 1112
0103	Rachel Blanset M 2:00pm - 3:50pm *Restricted to BSCI-CHEM-BCHM majors, UMB-Nursing students (major code 12031) or Neuroscience majors (04250).*	Seats (Total: 24) EGR 3114
0104	Eugene Ferrick Th 10:00am - 11:50am *Restricted to BSCI-CHEM-BCHM majors, UMB-Nursing students or Neuroscience majors.*	Seats (Total: 24) HBK 1108
0105	Erin Thomson M 1:00pm - 2:50pm *Restricted to non-CMNS majors who are in the Life Sciences-College Park Scholars Program.*	Seats (Total: 15) WDS 1127
0106	Shiloh Ortiz M 10:00am - 11:50am *Restricted to BSCI-CHEM-BCHM majors, UMB-Nursing students or Neuroscience majors.*	Seats (Total: 24) JMZ 0120
0107	Hadiya Alexander Wright, Ikeesha Sims M 2:00pm - 3:50pm *Restricted to BSCI-CHEM-BCHM majors, UMB-Nursing students or Neuroscience majors.*	Seats (Total: 23) JMZ 0118

0108	Amber Schlereth Th 2:00pm - 3:50pm *Restricted to BSCI-CHEM-BCHM majors, UMB-Nursing students or Neuroscience majors.*	Seats (Total: 23) BPS 1232
0109	Earl Johnson Tu 1:00pm - 2:50pm *Restricted to BSCI-CHEM-BCHM majors, UMB-Nursing students or Neuroscience majors.*	Seats (Total: 23) HBK 0125
0110	Marsha Guenzler-Stevens Tu 1:00pm - 2:50pm *Restriction: Restricted to BioFire students.*	Seats (Total: 17) SOM 0101
0111	Eno Abrefa M 3:00pm - 4:50pm *Restricted to BioFire students.*	Seats (Total: 20) SOM 0101
0112	Jennifer Guy W 12:00pm - 1:50pm *Restricted to BioFire students.*	Seats (Total: 20) SOM 0101
0113	Clay Smith F 1:00pm - 2:50pm *Restricted to any CMNS major.*	Seats (Total: 23) WDS 1114
0114	Brittany Gonzalez W 9:00am - 10:50am *Restricted to BSCI-CHEM-BCHM majors, UMB-Nursing students or Neuroscience majors.*	Seats (Total: 23) MMH 0108
0115	Kenny Coronel W 4:00pm - 5:50pm *Restricted to BSCI-CHEM-BCHM majors, UMB-Nursing students or Neuroscience majors.*	Seats (Total: 23) JMZ 2120
0116	Monique Koppel Th 10:00am - 11:50am *Restricted to BSCI-CHEM-BCHM majors, UMB-Nursing students or Neuroscience majors.*	Seats (Total: 23) MTH 1313

0117	Amanda Schech W 10:00am - 11:50am *Restricted to BSCI-CHEM-BCHM majors, UMB-Nursing students (major code 12031) or Neuroscience majors (04250).*	Seats (Total: 23) WDS 1102
0118	Jung-Eun Kim W 3:00pm - 4:50pm *Restricted to BSCI-CHEM-BCHM majors, UMB-Nursing students or Neuroscience majors.*	Seats (Total: 23) JMZ 1124
0119	Sarah-Jo Lawrence Tu 9:00am - 10:50am *Restricted to BSCI-CHEM-BCHM majors, UMB-Nursing students or Neuroscience majors.*	Seats (Total: 24) ESJ B0324
0120	Katerina Thompson W 3:00pm - 4:50pm *Restriction: Restricted to BioFire students.*	Seats (Total: 15) SOM 0101
0121	Reid Compton W 1:00pm - 2:50pm	Seats (Total: 23) PLS 1164
0122	Jung-Eun Kim, Sarah-Jo Lawrence W 10:00am - 11:50am	Seats (Total: 23) SYM 1317
0223	Kelly Venable, Rachel Blanset M 9:00am - 10:50am	Seats (Total: 23) KEY 0125
0224	Christopher Villalobos F 10:00am - 11:50am	Seats (Total: 18) SYM 1317

CMSC Computer Science Fall 2025

CMSC100 **Bits and Bytes of Computer and Information Sciences**

Credits: 1 Grading Method: Regular

Restriction: For first time freshmen and first time transfer students; or permission of CMNS-Computer Science department. Cross-listed with: INST101. Credit only granted for: CMSC100 or INST101.

Students are introduced to the fields (and disciplines) of computer science and information science within a small classroom setting. They will learn to make a successful transition from high school to the university, while exploring study skills, student success plans and research opportunities.

0101	Thomas Raymond Th 4:00pm - 4:50pm	Seats (Total: 35) CSI 2120	
0201	Erik Wilkinson F 10:00am - 10:50am	Seats (Total: 35) IRB 1207	
0301	Madeline Georgevich F 1:00pm - 1:50pm	Seats (Total: 35) IRB 2207	

CMSC106 **Introduction to C Programming**

Credits: 4 Grading Method: Regular

Prerequisite: MATH115. Restriction: Must not be in Computer Science program; and must not have completed any courses from CMSC131-499 course range. Credit only granted for: CMSC106 or CMSC122.

Design and analysis of programs in C. An introduction to computing using structured programming concepts. Intended for students with no or minimal programming experience.

0101	Nelson Padua-Perez TuTh 2:00pm - 3:15pm MW 12:00pm - 12:50pm	Seats (Total: 50) IRB 0318 CSI 3117	 Discussion

CMSC122 **Introduction to Computer Programming via the Web**

Credits: 3 Grading Method: Regular CORE: IE General Education: DSSP

Restriction: Must not have completed any courses from CMSC131-499 course range; and must not be concurrently enrolled in CMSC131. Credit only granted for: CMSC106, or CMSC122.

Introduction to computer programming in the context of developing full featured dynamic web sites. Uses a problem solving approach to teach basics of program design and implementation using JavaScript; relates these skills to creation of dynamic web sites; then explores both the potential and limits of web-based information sources for use in research. Intended to help relate a student's major to these emerging technologies.

0101	Pedram Sadeghian MWF 1:00pm - 1:50pm	Seats (Total: 95) IRB 0318	

CMSC125 **Introduction to Computing**

Credits: 3 Grading Method: Regular General Education: DSSP

Prerequisite: Must have completed or be concurrently enrolled in MATH115 or higher. Restriction: Must not be in the Computer Science program; and must not have completed any courses from CMSC131-499; and must not have completed BMGT302, IMDM127 or INST126. Credit only granted for: IMDM127 or CMSC125.

Introduces you to the computing field as a whole. You will gain skills used across the spectrum of computing majors and learn about the great variety of routes into the various areas of study and employment in technological fields.

0101	Elias Gonzalez MWF 11:00am - 11:50am	Seats (Total: 54) IRB 1207	

CMSC131 **Object-Oriented Programming I**

Credits: 4 Grading Method: Regular

Corequisite: MATH140. Credit only granted for: CMSC131, CMSC133 or CMSC141.

Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java.

0101	Elias Gonzalez MWF 10:00am - 10:50am MW 11:00am - 11:50am	Seats (Total: 32) IRB 0324 CSI 2120	Discussion
0102	Elias Gonzalez MWF 10:00am - 10:50am MW 11:00am - 11:50am	Seats (Total: 32) IRB 0324 CSI 2118	Discussion
0103	Elias Gonzalez MWF 10:00am - 10:50am MW 12:00pm - 12:50pm	Seats (Total: 32) IRB 0324 CSI 2120	Discussion
0104	Elias Gonzalez MWF 10:00am - 10:50am MW 12:00pm - 12:50pm	Seats (Total: 32) IRB 0324 CSI 2118	Discussion
0201	Nora Burkhauser MWF 1:00pm - 1:50pm MW 2:00pm - 2:50pm	Seats (Total: 32) IRB 0324 CSI 2118	Discussion
0202	Nora Burkhauser MWF 1:00pm - 1:50pm MW 2:00pm - 2:50pm	Seats (Total: 32) IRB 0324 CSI 3118	Discussion
0203	Nora Burkhauser MWF 1:00pm - 1:50pm MW 3:00pm - 3:50pm	Seats (Total: 32) IRB 0324 CSI 2118	Discussion

0204	Nora Burkhauser MWF 1:00pm - 1:50pm MW 3:00pm - 3:50pm	Seats (Total: 32) IRB 0324 CSI 3118	 Discussion
0205	Nora Burkhauser MWF 1:00pm - 1:50pm MW 4:00pm - 4:50pm	Seats (Total: 32) IRB 0324 CSI 2118	 Discussion
0206	Nora Burkhauser MWF 1:00pm - 1:50pm MW 2:00pm - 2:50pm	Seats (Total: 32) IRB 0324 CSI 1121	 Discussion
0301	Pedram Sadeghian MWF 11:00am - 11:50am TuTh 9:30am - 10:20am	Seats (Total: 32) IRB 0324 CSI 2120	 Discussion
0302	Pedram Sadeghian MWF 11:00am - 11:50am TuTh 9:30am - 10:20am	Seats (Total: 32) IRB 0324 CSI 2118	 Discussion
0303	Pedram Sadeghian MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 32) IRB 0324 CSI 2107	 Discussion
0304	Pedram Sadeghian MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 32) IRB 0324 CSI 2118	 Discussion
0305	Pedram Sadeghian MWF 11:00am - 11:50am TuTh 12:30pm - 1:20pm	Seats (Total: 32) IRB 0324 CSI 2107	 Discussion
0401	Pedram Sadeghian MWF 12:00pm - 12:50pm TuTh 9:30am - 10:20am	Seats (Total: 32) IRB 0324 CSI 3118	 Discussion
0402	Pedram Sadeghian MWF 12:00pm - 12:50pm TuTh 8:00am - 8:50am	Seats (Total: 32) IRB 0324 CSI 2120	 Discussion

0403	Pedram Sadeghian MWF 12:00pm - 12:50pm TuTh 9:30am - 10:20am	Seats (Total: 32) IRB 0324 CSI 1122	Discussion
0404	Pedram Sadeghian MWF 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 32) IRB 0324 CSI 2118	Discussion
0405	Pedram Sadeghian MWF 12:00pm - 12:50pm TuTh 11:00am - 11:50am	Seats (Total: 32) IRB 0324 CSI 3118	Discussion
FC01	Aaron Kyei-Asare TuTh 6:00pm - 7:15pm MW 6:00pm - 6:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 26) CSI 1115 CSI 2107	Discussion
FC02	Aaron Kyei-Asare TuTh 6:00pm - 7:15pm MW 6:00pm - 6:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 26) CSI 1115 CSI 2120	Discussion
FC03	Aaron Kyei-Asare TuTh 6:00pm - 7:15pm MW 6:00pm - 6:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 26) CSI 1115 CSI 2118	Discussion

CMSC132 **Object-Oriented Programming II**

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC131; or must have earned a score of 5 on the A Java AP exam; or must have earned a satisfactory score on the departmental placement exam; and minimum grade of C- in MATH140. Credit only granted for: CMSC132 or CMSC142.

Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.

0101	Larry Herman MWF 1:00pm - 1:50pm MW 2:00pm - 2:50pm	Seats (Total: 30) CSI 1115 CSI 2107	Discussion

0102	Larry Herman MWF 1:00pm - 1:50pm MW 2:00pm - 2:50pm	Seats (Total: 30) CSI 1115 CSI 3120	 Discussion
0103	Larry Herman MWF 1:00pm - 1:50pm MW 3:00pm - 3:50pm	Seats (Total: 30) CSI 1115 CSI 2107	 Discussion
0104	Larry Herman MWF 1:00pm - 1:50pm MW 4:00pm - 4:50pm	Seats (Total: 30) CSI 1115 CSI 2120	 Discussion
0201	Larry Herman MWF 2:00pm - 2:50pm MW 3:00pm - 3:50pm	Seats (Total: 30) IRB 0324 CSI 3120	 Discussion
0202	Larry Herman MWF 2:00pm - 2:50pm MW 3:00pm - 3:50pm	Seats (Total: 30) IRB 0324 MTH 0302	 Discussion
0203	Larry Herman MWF 2:00pm - 2:50pm MW 4:00pm - 4:50pm	Seats (Total: 30) IRB 0324 CSI 2107	 Discussion
0204	Larry Herman MWF 2:00pm - 2:50pm MW 4:00pm - 4:50pm	Seats (Total: 30) IRB 0324 MTH 0302	 Discussion
0205	Larry Herman MWF 2:00pm - 2:50pm MW 5:00pm - 5:50pm	Seats (Total: 30) IRB 0324 CSI 2107	 Discussion
0206	Larry Herman MWF 2:00pm - 2:50pm MW 5:00pm - 5:50pm	Seats (Total: 30) IRB 0324 CSI 2120	 Discussion
0301	Nora Burkhauser MWF 9:00am - 9:50am MW 10:00am - 10:50am	Seats (Total: 30) IRB 0324 CSI 2120	 Discussion

0302	Nora Burkhauser MWF 9:00am - 9:50am MW 10:00am - 10:50am	Seats (Total: 30) IRB 0324 CSI 2118	 Discussion
0303	Nora Burkhauser MWF 9:00am - 9:50am MW 11:00am - 11:50am	Seats (Total: 30) IRB 0324 CSI 3120	 Discussion
0304	Nora Burkhauser MWF 9:00am - 9:50am MW 11:00am - 11:50am	Seats (Total: 30) IRB 0324 CSI 3118	 Discussion
0305	Nora Burkhauser MWF 9:00am - 9:50am MW 12:00pm - 12:50pm	Seats (Total: 30) IRB 0324 CSI 1121	 Discussion
0306	Nora Burkhauser MWF 9:00am - 9:50am MW 12:00pm - 12:50pm	Seats (Total: 30) IRB 0324 CSI 1122	 Discussion

CMSC133 **Object Oriented Programming I Beyond Fundamentals**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: Must have completed or be concurrently enrolled in MATH140. Restriction: Permission of CMNS-Computer Science department; and student must have earned a 4 on the AP Computer Science A exam or a satisfactory score on the CMSC131 department placement exam. Credit only granted for: CMSC131 or CMSC133.

An introduction to computer science and object-oriented programming for students with prior Java programming knowledge (conditionals, loops, methods). Program design, implementation, and testing using object-oriented techniques. All programming will be done in Java using a graphical IDE.

0101	Elias Gonzalez M 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 40) CSI 1122 CSI 1122	 Discussion

CMSC216 **Introduction to Computer Systems**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC132; and minimum grade of C- in MATH141. Restriction: Must be in a major within the CMNS-Computer Science department; or must be in Engineering: Computer program; or must be in the Computer Science Minor program; and Permission of CMSC - Computer Science department.

Introduction to the interaction between user programs and the operating system/hardware. Major topics include C programming, introductory systems programming, and assembly language. Other concepts covered include UNIX, machine data representation, thread management, optimization, and virtual memory. Programming is done in the Linux Environment.

0101	Christopher Kauffman TuTh 9:30am - 10:45am MW 8:00am - 8:50am	Seats (Total: 32) IRB 0324 IRB 1207	Discussion
0102	Christopher Kauffman TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 32) IRB 0324 IRB 1207	Discussion
0103	Christopher Kauffman TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 32) IRB 0324 IRB 2107	Discussion
0104	Christopher Kauffman TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 32) IRB 0324 IRB 1207	Discussion
0105	Christopher Kauffman TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 32) IRB 0324 IRB 2107	Discussion
0106	Christopher Kauffman TuTh 9:30am - 10:45am MW 11:00am - 11:50am	Seats (Total: 32) IRB 0324 IRB 2107	Discussion
0201	Christopher Kauffman TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 32) IRB 0324 IRB 2207	Discussion
0202	Christopher Kauffman TuTh 11:00am - 12:15pm MW 10:00am - 10:50am	Seats (Total: 32) IRB 0324 IRB 2207	Discussion
0203	Christopher Kauffman TuTh 11:00am - 12:15pm MW 11:00am - 11:50am	Seats (Total: 32) IRB 0324 IRB 2207	Discussion

0204	Christopher Kauffman TuTh 11:00am - 12:15pm MW 12:00pm - 12:50pm	Seats (Total: 32) IRB 0324 IRB 2207	Discussion
0205	Christopher Kauffman TuTh 11:00am - 12:15pm MW 1:00pm - 1:50pm	Seats (Total: 32) IRB 0324 IRB 2207	Discussion
0206	Christopher Kauffman TuTh 11:00am - 12:15pm MW 1:00pm - 1:50pm	Seats (Total: 32) IRB 0324 IRB 1207	Discussion
0301	Ilchul Yoon TuTh 12:30pm - 1:45pm MW 8:00am - 8:50am	Seats (Total: 32) SKN 0200 IRB 2107	Discussion
0302	Ilchul Yoon TuTh 12:30pm - 1:45pm MW 9:00am - 9:50am	Seats (Total: 32) SKN 0200 CSI 1121	Discussion
0303	Ilchul Yoon TuTh 12:30pm - 1:45pm MW 10:00am - 10:50am	Seats (Total: 32) SKN 0200 CSI 1121	Discussion
0304	Ilchul Yoon TuTh 12:30pm - 1:45pm MW 11:00am - 11:50am	Seats (Total: 32) SKN 0200 CSI 1121	Discussion
0305	Ilchul Yoon TuTh 12:30pm - 1:45pm MW 12:00pm - 12:50pm	Seats (Total: 32) SKN 0200 IRB 1207	Discussion
0306	Ilchul Yoon TuTh 12:30pm - 1:45pm MW 1:00pm - 1:50pm	Seats (Total: 32) SKN 0200 CSI 1121	Discussion

CMSC250 **Discrete Structures**

(Perm req) Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC131; and minimum grade of C- in MATH141. Restriction: Must be in a major within the CMNS-Computer Science department; or must be in Engineering: Computer program; or must be in the Computer Science Minor program; and Permissions of CMSC - Computer Science department.

Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	Mohammad Nayeem Teli TuTh 2:00pm - 3:15pm MW 12:00pm - 12:50pm	Seats (Total: 32) ESJ 0202 CSI 3120	Discussion
0102	Mohammad Nayeem Teli TuTh 2:00pm - 3:15pm MW 9:00am - 9:50am	Seats (Total: 32) ESJ 0202 CSI 2118	Discussion
0103	Mohammad Nayeem Teli TuTh 2:00pm - 3:15pm MW 10:00am - 10:50am	Seats (Total: 32) ESJ 0202 CSI 1122	Discussion
0104	Mohammad Nayeem Teli TuTh 2:00pm - 3:15pm MW 10:00am - 10:50am	Seats (Total: 32) ESJ 0202 CSI 2107	Discussion
0105	Mohammad Nayeem Teli TuTh 2:00pm - 3:15pm MW 11:00am - 11:50am	Seats (Total: 32) ESJ 0202 CSI 1122	Discussion
0106	Mohammad Nayeem Teli TuTh 2:00pm - 3:15pm MW 1:00pm - 1:50pm	Seats (Total: 32) ESJ 0202 CSI 2107	Discussion
0107	Mohammad Nayeem Teli TuTh 2:00pm - 3:15pm MW 11:00am - 11:50am	Seats (Total: 32) ESJ 0202 CSI 2107	Discussion
0201	Fawzi Emad MWF 12:00pm - 12:50pm TuTh 8:00am - 8:50am	Seats (Total: 32) SKN 0200 CSI 2118	Discussion

0202	Fawzi Emad MWF 12:00pm - 12:50pm TuTh 9:30am - 10:20am	Seats (Total: 32) SKN 0200 CSI 2107	Discussion
0203	Fawzi Emad MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:20pm	Seats (Total: 32) SKN 0200 CSI 3118	Discussion
0204	Fawzi Emad MWF 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 32) SKN 0200 CSI 2107	Discussion
0205	Fawzi Emad MWF 12:00pm - 12:50pm TuTh 3:30pm - 4:20pm	Seats (Total: 32) SKN 0200 CSI 2107	Discussion
0206	Fawzi Emad MWF 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 32) SKN 0200 CSI 3118	Discussion
0301	Fawzi Emad MWF 1:00pm - 1:50pm TuTh 8:00am - 8:50am	Seats (Total: 32) SKN 0200 IRB 1207	Discussion
0302	Fawzi Emad MWF 1:00pm - 1:50pm TuTh 9:30am - 10:20am	Seats (Total: 32) SKN 0200 IRB 2107	Discussion
0303	Fawzi Emad MWF 1:00pm - 1:50pm TuTh 9:30am - 10:20am	Seats (Total: 32) SKN 0200 IRB 2207	Discussion
0304	Fawzi Emad MWF 1:00pm - 1:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 32) SKN 0200 CSI 3120	Discussion
0305	Fawzi Emad MWF 1:00pm - 1:50pm TuTh 3:30pm - 4:20pm	Seats (Total: 32) SKN 0200 CSI 3120	Discussion

0306	Fawzi Emad MWF 1:00pm - 1:50pm TuTh 3:30pm - 4:20pm	Seats (Total: 32) SKN 0200 CSI 1122	 Discussion

CMSC298A **Special Topics in Computer Science**

(Perm req)

Credits: 1-4 Grading Method: Sat-Fail

A course designed to allow a lower level student to pursue a specialized topic or project.

Contact department for information to register for this course.

CMSC320 **Introduction to Data Science**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC216 and CMSC250. Restriction: Permission of CMNS-Computer Science department. Credit only granted for: CMSC320, DATA320 or STAT426.

An introduction to the data science pipeline, i.e., the end-to-end process of going from unstructured, messy data to knowledge and actionable insights. Provides a broad overview of several topics including statistical data analysis, basic data mining and machine learning algorithms, large-scale data management, cloud computing, and information visualization.

0101	Maksym Morawski TuTh 9:30am - 10:45am	Seats (Total: 120) MMH 1400
0201	Maksym Morawski TuTh 2:00pm - 3:15pm	Seats (Total: 220) ARM 0135
0301	Fardina Alam TuTh 3:30pm - 4:45pm	Seats (Total: 254) IRB 0324

CMSC330 **Organization of Programming Languages**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC250 and CMSC216. Restriction: Must be in a major within the CMNS-Computer Science department; or must be in the Computer Science Minor program; or must be in Engineering: Computer program; and Permission of CMSC - Computer Science department.

A study of programming languages, including their syntax, semantics, and implementation. Several different models of languages are discussed, including dynamic, scripting (e.g., Ruby, Python) functional (e.g., OCaml, Haskell, Scheme), and memory safe systems programming (e.g., Rust). Explores language features such as formal syntax, scoping and binding of variables, higher-order programming, typing, and type polymorphism. Introduces finite automata, context free grammar, parsing, lambda calculus, and basics of security attacks and software security.

0101	Anwar Mamat TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 35) IRB 0324 IRB 1207	 Discussion
0102	Anwar Mamat TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 35) IRB 0324 IRB 2107	 Discussion
0103	Anwar Mamat TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 35) IRB 0324 IRB 2107	 Discussion
0104	Anwar Mamat TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 35) IRB 0324 IRB 1207	 Discussion
0105	Anwar Mamat TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 35) IRB 0324 IRB 2107	 Discussion
0106	Anwar Mamat TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 35) IRB 0324 CSI 1122	 Discussion
0107	Anwar Mamat TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 36) IRB 0324 CSI 1122	 Discussion
0201	Cliff Bakalian TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 35) IRB 0324 CSI 1121	 Discussion
0202	Cliff Bakalian TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 35) IRB 0324 CSI 1121	 Discussion
0203	Cliff Bakalian TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 35) IRB 0324 CSI 1122	 Discussion

0204	Cliff Bakalian TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 35) IRB 0324 CSI 1121	Discussion
0205	Cliff Bakalian TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 35) IRB 0324 CSI 1121	Discussion
0206	Cliff Bakalian TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 35) IRB 0324 CSI 1121	Discussion
0301	Cliff Bakalian TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 35) CSI 1115 CSI 2107	Discussion
0302	Cliff Bakalian TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 35) CSI 1115 CSI 2107	Discussion
0303	Cliff Bakalian TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 35) CSI 1115 CSI 1122	Discussion
0304	Cliff Bakalian TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 35) CSI 1115 CSI 2107	Discussion

CMSC335 **Web Application Development with JavaScript**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC216 and CMSC250. Restriction: Permission of CMNS-Computer Science Department. Credit only granted for: CMSC389N or CMSC335. Formerly: CMSC389N.

Provides an introduction to modern ways of developing Web Applications/Services using JavaScript for both front-end and back-end. The course covers topics on fundamental JavaScript language constructs, server-side JavaScript, back-end data persistence, and client-side JavaScript to build Web Applications that interact with Web services and back-end databases.

0101	Nelson Padua-Perez TuTh 8:00am - 9:15am	Seats (Total: 260) IRB 0324	

0201	Nelson Padua-Perez TuTh 9:30am - 10:45am	Seats (Total: 100) IRB 0318

CMSC351 **Algorithms**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC250 and CMSC216. Restriction: Must be in a major within the CMNS-Computer Science department; or must be in Engineering: Computer program; or must be in the Computer Science Minor program; and Permission from the CMSC - Computer Science department.

A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.

0101	Justin Wyss-Gallifent MWF 8:00am - 8:50am	Seats (Total: 200) IRB 0324
0201	Clyde Kruskal MWF 11:00am - 11:50am	Seats (Total: 90) IRB 1116
0301	Ting Jiang MWF 3:00pm - 3:50pm	Seats (Total: 200) IRB 0324

CMSC388J **Special Topics in Computer Science; Building Secure Web Applications**

(Perm req)

Credits: 1 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science.

Prerequisite: Minimum grade of C- in CMSC216 and CMSC250; and permission of CMNS-Computer Science department. Explores tools such as Python, Flask, Django, MongoDB, Svelte, and React.

0101	Michael Marsh F 3:00pm - 3:50pm	Seats (Total: 40) CSI 3120

CMSC389B **Special Topics in Computer Science; A Tour of Programming Languages**

(Perm req)

Credits: 1 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.

Prerequisite: Minimum grade of C- in CMSC216, CMSC250 and CMSC330; and permission of CMNS-Computer Science department. A Tour of Programming Languages introduces students to various programming paradigms and languages. This course aims to help students further their understanding of programming language (PL) design, as wellas gain experience with different programming philosophies, paradigms, and mindsets.

0101	Cliff Bakalian	Seats (Total: 30)
	F 12:00pm - 12:50pm	CSI 3120

CMSC389E **Special Topics in Computer Science; Digital Logic Design Through Minecraft**

(Perm req)

Credits: 1 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.

Minimum grade of C- in CMSC216 and CMSC250; and permission of CMNS-Computer Science department. We will explore the theory and applications of combinational and sequential circuits. All projects will be done using Minecraft Redstone.The course will cover basic gates to more advanced circuits including memory gates and large sequential circuits.

0101	Cliff Bakalian	Seats (Total: 40)
	F 11:00am - 11:50am	CSI 3120

CMSC389L **Special Topics in Computer Science; Reinforcement Learning**

(Perm req)

Credits: 1 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.

Minimum grade of C- in CMSC216, CMSC250, CMSC320; MATH241, 1 course witha minimum grade of C- from (MATH240, MATH461); and permission of CMNS-Computer Science department. This course provides a comprehensive introduction to reinforcement learning. We begin with a review of key concepts in machine learning and planning, such as gradient descent and neural networks. We then explore core reinforcement learning algorithms-including value-based, policy-gradient, and actor-critic methods-along with essential tools like TensorFlow and Gymnasium. The course focuses on applications in robotics and autonomous systems, finance, and games.

0101	Mohammad Nayeem Teli	Seats (Total: 30)
	F 11:00am - 11:50am	IRB 2207

CMSC389O **Special Topics in Computer Science; The Coding Interview**

(Perm req)

Credits: 1 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.

Prerequisite: Minimum grade of C- in CMSC216 and CMSC250; and permission of CMNS-Computer Science department. Technical interviewing is a critical skill for acquiring internships and jobs. Students will gain a comprehensive, practical introduction to technical interviews. Students will be introduced to basic topics such as Big O and String Manipulation and later move into more complex topicssuch as Graphs and Dynamic Programming. Most in-class time will bespenton mock interviews to give real interview practice. The course facilitators are experienced in interviewing and have received internship/job offers from companies like Meta, Optiver, Bloomberg, Amazon, Apple, Microsoft, Databricks, Capital One, and more.

0101	Thomas Goldstein F 11:00am - 11:50am	Seats (Total: 30) MTH 0405
0201	Thomas Goldstein F 12:00pm - 12:50pm	Seats (Total: 30) MTH 0405
0301	Thomas Goldstein F 1:00pm - 1:50pm	Seats (Total: 30) MTH 0405
0401	Thomas Goldstein F 2:00pm - 2:50pm	Seats (Total: 30) MTH 0405

CMSC389P **Special Topics in Computer Science; Mastering the PM Interview**

(Perm req)

Credits: 1 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.

Prerequisite: Minimum grade of C- in CMSC216 and CMSC250; and permission of CMNS-Computer Science department. Prepares students for PM interviews in the technology industry. The class will be a combination of lectures and in-class activities that will provide hands-on practice for PM roles. We will begin with interview questions involving behavioral and technical concepts, and transition tomore complex PM-specific topics including product design, analytical, and case questions.

0101	Huaishu Peng F 11:00am - 11:50am	Seats (Total: 30) MTH B0429

CMSC390 **Honors Paper**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be admitted to the Computer Science Honors Program.

Special study or research directed toward preparation of honors paper.

Contact department for information to register for this course.

CMSC396H **Computer Science Honors Seminar**

(Perm req) Credits: 1 Grading Method: Regular

Prerequisite: Must have admission into Computer Science Departmental Honors Program. Restriction: Permission of CMNS-Computer Science department.

Overview of computer science research activities, techniques, and tools. Diverse research areas will be covered, including systems, networks, artificial intelligence, human-computer interaction, software engineering, graphics, vision, and theory.

0101	Dave Levin Th 11:30am - 12:20pm	Seats (Total: 75) CHE 2108

CMSC398L **Special Topics in Computer Science; Introduction to Competitive Programming**

(Perm req) Credits: 1 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science.

Prerequisite: Minimum grade of C- in CMSC216 and CMSC250; and permission of CMNS-Computer Science department. Covers most of the basic techniques and algorithms that are used in competitive programming. Topics include C++ STL, greedy, dynamic programming, divide and conquer, graph algorithms, and data structures. Students will learn different algorithmic techniques and apply these concepts to solve interesting programming problems in practice.

0101	Laxman Dhulipala F 2:00pm - 2:50pm	Seats (Total: 30) CSI 2107

CMSC398M **Special Topics in Computer Science; Introduction to Product Design with Figma**

(Perm req) Credits: 1 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science.

Prerequisite: Minimum grade of C- in CMSC216 and CMSC250 or permission of instructor; and permission of CMNS-Computer Science department. An exploration into the world of Figma! Figma is a popular collaborative design tool used by many developers for brainstorming, proof of concepts, and website/application design. We will be exploring the various capabilities of Figma, and how we can create a website or mobile application from a design made on Figma. Students will learn principles of design, create mockups, and build their own website/mobile app that will look great for resumes and portfolios.

0101	Cliff Bakalian W 11:00am - 11:50am	Seats (Total: 45) CSI 3117

CMSC398P **Special Topics in Computer Science; Practical Cloud Computing with AWS**

(Perm req) Credits: 1 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science.

Prerequisite: Minimum grade of C- in CMSC216 and CMSC250; and permission of CMNS-Computer Science department. This course provides a practical introduction to cloud computing with Amazon Web Services (https://aws.amazon.com/about-aws/) (AWS). Students will learn how to build applications using a variety of AWS services, including S3, EC2, Lambda, and ECS. Additionally they will have an exam ready understanding of many services, benefits, and features of AWS. Thecourse will culminate in a final resume-worthy project that will be built, deployed, and demoed.

0101	Maksym Morawski	Seats (Total: 30)
	F 2:00pm - 2:50pm	CSI 3120

CMSC398R **Special Topics in Computer Science; Binary Exploitation**

(Perm req)

Credits: 1 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science.

Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department. An introduction to exploiting common vulnerabilities in compiled applications. Topics include an overview of C, intro to x86 assembly, buffer overflows on stack and heap, format string bugs, heap exploitation, and other special topics (kernel/browser/blockchain). Students will be able to write exploits for all the bugs learned in class, and secure their own applications.

0101	Tudor Dumitras	Seats (Total: 30)
	F 1:00pm - 1:50pm	CSI 3120

CMSC398W **Special Topics in Computer Science; Practical Tools for Efficient Development**

(Perm req)

Credits: 1 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science.

Minimum grade of C- in CMSC216 and CMSC250; and permission of CMNS-Computer Science department. This course will provide a broad overview of many common and useful tools, like the command line, Git, debuggers, build systems, and more. Through a hands-on approach, you will be introduced to a variety of tools and techniques that can immediately be applied to everyday problems. We aim to provide students with material that improves their computing ecosystem literacy and increases their efficiency as a developer.

0101	Christopher Kauffman	Seats (Total: 30)
	F 10:00am - 10:50am	CSI 2107

CMSC398Z **Special Topics in Computer Science; Effective use of AI Coding Assistants and Agents**

(Perm req)

Credits: 1 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science.

PREREQUISITE: Minimum grade of C- in CMSC320 or CMSC330; and permission of CMNS-Computer Science department. Covers how to effectively use AI coding assistants and agents to develop software. The course will look at the tools and techniques used by engineers at companies like Google and Microsoft to develop production-quality code, as well as techniques to vibe code and quickly generate interactive visualizations and proof-of-concepts. The course will cover using chatbots, AI-powered IDEs such as VSCode and cursor.ai,and coding assistants that can automatically invoke build systems, run test cases, and fix errors. The course will also cover Python and Simon Willison s LLM tool, which allows writing simple Pythonprograms that query LLMs and interact with databases, structured data extraction, and semantic search.

0101	Derek Willis, William Pugh	Seats (Total: 50)	
	F 2:00pm - 3:50pm	IRB 2207	

CMSC411 **Computer Systems Architecture**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. Credit only granted for: ENEE446 or CMSC411.

Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.

0101	Ilchul Yoon	Seats (Total: 95)	
	MW 3:30pm - 4:45pm	IRB 0318	

CMSC412 **Operating Systems**

(Perm req)

Credits: 4 Grading Method: Regular CORE: CS

Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; and 1 course with a minimum grade of C- from (CMSC414, CMSC417, CMSC420, CMSC430, CMSC433, CMSC435, ENEE440, ENEE457). Restriction: Permission of CMNS-Computer Science department; or must be in one of the following programs (Computer Science (Master's); Computer Science (Doctoral)). Credit only granted for: CMSC412 or ENEE447.

A hands-on introduction to operating systems, including topics in: multiprogramming, communication and synchronization, memory management, IO subsystems, and resource scheduling polices. The laboratory component consists of constructing a small kernel, including functions for device IO, multi-tasking, and memory management.

0101	Ashok Agrawala	Seats (Total: 40)	
	TuTh 12:30pm - 1:45pm	IRB 1116	
	MW 10:00am - 10:50am	CSI 2117	Discussion

0102	Ashok Agrawala TuTh 12:30pm - 1:45pm MW 11:00am - 11:50am	Seats (Total: 40) IRB 1116 CSI 2117	 Discussion

CMSC414 **Computer and Network Security**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. Credit only granted for: CMSC414 or ENEE457.

An introduction to the topic of security in the context of computer systems and networks. Identify, analyze, and solve network-related security problems in computer systems. Fundamentals of number theory, authentication, and encryption technologies, as well as the practical problems that have to be solved in order to make those technologies workable in a networked environment, particularly in the wide-area Internet environment.

0101	Dave Levin TuTh 9:30am - 10:45am	Seats (Total: 145) CSI 1115
0201	Michael Marsh TuTh 12:30pm - 1:45pm	Seats (Total: 145) CSI 1115
0301	Michael Marsh TuTh 2:00pm - 3:15pm	Seats (Total: 145) CSI 1115

CMSC416 **Introduction to Parallel Computing**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; or permission of instructor. Restriction: Permission of CMNS-Computer Science department. Jointly offered with: CMSC616. Credit only granted for: CMSC416, CMSC498X, CMSC616, or CMSC818X. Formerly: CMSC498X.

Introduction to parallel computing. Topics include programming for shared memory and distributed memory parallel architectures, and fundamental issues in design, development, and performance analysis of parallel programs.

0101	Abhinav Bhatele TuTh 11:00am - 12:15pm	Seats (Total: 76) IRB 0318

CMSC417 **Computer Networks**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Computer networks and architectures. The OSI model including discussion and examples of various network layers. A general introduction to existing network protocols. Communication protocol specification, analysis, and testing.

0101	Ting Jiang MWF 2:00pm - 2:50pm	Seats (Total: 145) CSI 1115

CMSC420 **Advanced Data Structures**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Description, properties, and storage allocation functions of data structures including balanced binary trees, B-Trees, hash tables, skiplists, tries, KD-Trees and Quadtrees. Algorithms for manipulating structures. Applications from areas such as String Processing, Computer Graphics, Information Retrieval, Computer Networks, Computer Vision, and Operating Systems.

0101	Justin Wyss-Gallifent MWF 10:00am - 10:50am	Seats (Total: 145) CSI 1115
0201	Justin Wyss-Gallifent MWF 11:00am - 11:50am	Seats (Total: 145) CSI 1115
0301	Hanan Samet TuTh 9:30am - 10:45am	Seats (Total: 45) CSI 1121

CMSC421 **Introduction to Artificial Intelligence**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Introduces a range of ideas and methods in AI, varying semester to semester but chosen largely from: automated heuristic search, planning, games, knowledge representation, logical and statistical inference, learning, natural language processing, vision, robotics, cognitive modeling, and intelligent agents. Programming projects will help students obtain a hands-on feel for various topics.

0101	William Regli TuTh 11:00am - 12:15pm	Seats (Total: 161) EGR 1202
0201	Sujeong Kim TuTh 2:00pm - 3:15pm	Seats (Total: 69) CSI 2117

CMSC422 **Introduction to Machine Learning**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC320, CMSC330, and CMSC351; and 1 course with a minimum grade of C- from (MATH240, MATH341, MATH461, ENEE290); and permission of CMNS-Computer Science department.

Machine Learning studies representations and algorithms that allow machines to improve their performance on a task from experience. This is a broad overview of existing methods for machine learning and an introduction to adaptive systems in general. Emphasis is given to practical aspects of machine learning and data mining.

0101	Mohammad Nayeem Teli TuTh 3:30pm - 4:45pm	Seats (Total: 251) ESJ 0202
0201	Heng Huang TuTh 12:30pm - 1:45pm	Seats (Total: 95) IRB 0318
0301	Marine Carpuat MW 2:00pm - 3:15pm	Seats (Total: 96) IRB 1116

CMSC423 **Bioinformatic Algorithms, Databases, and Tools**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

An introduction to the main algorithms, databases, and tools used in bioinformatics. Topics may include assembly and analysis of genome sequences, reconstructing evolutionary histories, predicting protein structure, and clustering of biological data. Use of scripting languages to perform analysis tasks on biological data. No prior knowledge of biology is assumed.

0101	Robert Patro TuTh 11:00am - 12:15pm	Seats (Total: 52) IRB 2207

CMSC424 **Database Design**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Students are introduced to database systems and motivates the database approach as a mechanism for modeling the real world. An in-depth coverage of the relational model, logical database design, query languages, and other database concepts including query optimization, concurrency control; transaction management, and log based crash recovery. Distributed and Web database architectures are also discussed.

0101	Herve Franceschi TuTh 2:00pm - 3:15pm	Seats (Total: 193) MMH 1400
0201	Daniel Abadi MW 2:00pm - 3:15pm	Seats (Total: 80) CSI 3117

CMSC425 **Game Programming**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330 and CMSC351. Restriction: Permission of CMNS-Computer Science department.

An introduction to the principles and practice of computer game programming and design. This includes an introduction to game hardware and systems, the principles of game design, object and terrain modeling, game physics, artificial intelligence for games, networking for games, rendering and animation, and aural rendering. Course topics are reinforced through the design and implementation of a working computer game.

0101	Stevens Miller TuTh 2:00pm - 3:15pm	Seats (Total: 95) IRB 1116

CMSC426 **Computer Vision**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330 and CMSC351 and 1 course with a minimum grade of C- from (MATH240, MATH341, MATH461, ENEE290); or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program; or permission of the instructor. Restriction: Permission of CMNS-Computer Science department.

An introduction to basic concepts and techniques in computervision. This includes low-level operations such as image filtering and edge detection, 3D reconstruction of scenes using stereo and structure from motion, and object detection, recognition and classification.

0101	John Aloimonos TuTh 12:30pm - 1:45pm	Seats (Total: 110) CHE 2110

CMSC430 **Introduction to Compilers**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Topics include lexical analysis, parsing, intermediate representations, program analysis, optimization, and code generation.

0101	David Van Horn TuTh 2:00pm - 3:15pm	Seats (Total: 232) LEF 2205

CMSC433 **Programming Language Technologies and Paradigms**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.

Programming language technologies (e.g., object-oriented programming), their implementations and use in software design and implementation.

0101	Anwar Mamat TuTh 11:00am - 12:15pm	Seats (Total: 145) CSI 1115
0201	Anwar Mamat TuTh 3:30pm - 4:45pm	Seats (Total: 57) IRB 0318

CMSC434 **Introduction to Human-Computer Interaction**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Assess usability by quantitative and qualitative methods. Conduct task analyses, usability tests, expert reviews, and continuing assessments of working products by interviews, surveys, and logging. Apply design processes and guidelines to develop professional quality user interfaces. Build low-fidelity paper mockups, and a high-fidelity prototype using contemporary tools such as graphic editors and a graphical programming environment (eg: Visual Basic, Java).

0101	Evan Golub TuTh 11:00am - 12:15pm	Seats (Total: 54) IRB 1207

0201	Evan Golub TuTh 12:30pm - 1:45pm	Seats (Total: 54) IRB 1207
0301	Evan Golub TuTh 2:00pm - 3:15pm	Seats (Total: 54) IRB 1207

CMSC435 **Software Engineering**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS

Prerequisite: 1 course with a minimum grade of C- from (CMSC412, CMSC417, CMSC420, CMSC430, CMSC433, ENEE447); and permission of CMNS-Computer Science department.

State-of-the-art techniques in software design and development. Laboratory experience in applying the techniques covered. Structured design, structured programming, top-down design and development, segmentation and modularization techniques, iterative enhancement, design and code inspection techniques, correctness, and chief-programmer teams. The development of a large software project.

0101	James Purtilo TuTh 12:30pm - 1:45pm	Seats (Total: 46) CSI 1122

CMSC436 **Programming Handheld Systems**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.

Fundamental principles and concepts that underlie the programming of handheld systems, such as mobile phones, personal digital assistants, and tablet computers. Particular emphasis will be placed on concepts such as limited display size, power, memory and CPU speed; and new input modalities, where handheld systems differ substantially from non-handheld systems, and thus require special programming tools and approaches. Students will apply these concepts and principles in the context of an existing handset programming platform.

0101	Herve Franceschi TuTh 3:30pm - 4:45pm *Course will be based on the Android Studio IDE, using the Kotlin programming language. (No specific mobile hardware will be required - students can use emulators)*	Seats (Total: 193) MMH 1400

CMSC451 **Design and Analysis of Computer Algorithms**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Fundamental techniques for designing efficient computer algorithms, proving their correctness, and analyzing their complexity. General topics include graph algorithms, basic algorithm design paradigms (such as greedy algorithms, divide-and-conquer, and dynamic programming), network flows, NP-completeness, and other selected topics in algorithms.

0101	David Mount TuTh 11:00am - 12:15pm	Seats (Total: 88) CSI 2117
0201	Clyde Kruskal MW 3:30pm - 4:45pm	Seats (Total: 80) CSI 2117

CMSC454 **Algorithms for Data Science**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330 and CMSC351. Restriction: Permission of CMSC-Computer Science department.

Fundamental methods for processing a high volume of data. Methods include stream processing, locally sensitive hashing, web search methods, page rank computation, network and link analysis, dynamic graph algorithms as well as methods to handle high dimensional data/dimensionality reduction.

0101	Aravind Srinivasan TuTh 9:30am - 10:45am	Seats (Total: 96) IRB 1116

CMSC456 **Cryptography**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: (CMSC106, CMSC131, or ENEE150; or equivalent programming experience); and (2 courses from (CMSC330, CMSC351, ENEE324, or ENEE382); or any one of these courses and a 400-level MATH course, or two 400-level MATH courses); and Permission of CMNS-Mathematics department or permission of instructor. Cross-listed with: MATH456, ENEE456. Credit only granted for: MATH456, CMSC456 or ENEE456.

The theory, application, and implementation of mathematical techniques used to secure modern communications. Topics include symmetric and public-key encryption, message integrity, hash functions, block-cipher design and analysis, number theory, and digital signatures.

0101	Hatice Sahinoglu MWF 10:00am - 10:50am	Seats (Total: 40) EGR 3106
0201	Daniel Gottesman TuTh 12:30pm - 1:45pm	Seats (Total: 60) CSI 3117

CMSC460 **Computational Methods**

(Perm req) Credits: 3 Grading Method: Regular

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH341, MATH461); and 1 course with a minimum grade of C- from (MATH241, MATH340); and 1 course with a minimum grade of C- from (CMSC106, CMSC131); and 1 course with a minimum grade of C- from (MATH246, MATH341). Cross-listed with: AMSC460. Credit only granted for: AMSC460, AMSC466, CMSC460, or CMSC466.

Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Jonathan Rosenberg MWF 10:00am - 10:50am	Seats (Total: 35) HJP 2242
0201	Tobias von Petersdorff MWF 1:00pm - 1:50pm	Seats (Total: 35) CHE 2118
0301	Ramani Duraiswami MW 3:30pm - 4:45pm	Seats (Total: 35) PHY 2213
0401	Abba Gumel TuTh 2:00pm - 3:15pm	Seats (Total: 35) ESJ B0322

CMSC466 **Introduction to Numerical Analysis I**

(Perm req) Credits: 3 Grading Method: Regular

Prerequisite: 1 course with a minimum grade of C- from (CMSC106, CMSC131); and minimum grade of C- in MATH410. Cross-listed with: AMSC466. Credit only granted for: AMSC460, CMSC460, AMSC466, or CMSC466.

Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Dionisios Margetis TuTh 9:30am - 10:45am	Seats (Total: 34) MTH 0304

CMSC470 **Introduction to Natural Language Processing**

(Perm req) Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC320, CMSC330, and CMSC351; and 1 course with a minimum grade of C- from (MATH240, MATH341, MATH461, ENEE290). Restriction: Permission of CMNS-Computer Science department.

Introduction to fundamental techniques for automatically processing and generating natural language with computers. Machine learning techniques, models, and algorithms that enable computers to deal with the ambiguity and implicit structure of natural language. Application of these techniques in a series of assignments designed to address a core application such as question answering or machine translation.

0101	Jordan Ying	Seats (Total: 90)
	MW 8:30am - 9:45am	IRB 1116

CMSC471 **Introduction to Data Visualization**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330 and CMSC351; and permission of CMNS-Computer Science Department. Restriction: Permission of the CMNS-Computer Science Department. Credit only granted for: CMSC471 or CMSC498O. Formerly: CMSC498O.

Datasets are becoming increasingly large and complex, requiring intuitive ways to explore and interpret them quickly and efficiently. In this case, a picture is worth a thousand words: visualizations enable us to transform data into images that are easier to understand and reason about, compared to raw numbers and raw text. Visualizations are critical tools in externalizing and organizing our knowledge and insights, whether to explore collected datasets to improve our understanding of the physical world, to assess and debug analysis/experimental workflows, or to present new and interesting results to diverse audiences. In this course we will study techniques and algorithms for creating effective visualizations based on principles from graphic design, perceptual psychology, and cognitive science. Students will learn how to design and build interactive visualizations for the web, using the D3.js (Data-Driven Documents) framework.

0101	Zhicheng Liu	Seats (Total: 88)
	MW 2:00pm - 3:15pm	CSI 2117

CMSC473 **Capstone in Machine Learning**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- or higher in CMSC421 or CMSC422. Recommended: Background or exposure to machine learning topics is strongly encouraged. Restriction: Permission of instructor and Permission of CMSC - Computer Science department. Credit only granted for: CMSC498P or CMSC473. Formerly: CMSC498P. Additional information: Students will be paired with project advisors from the UMD faculty or alternatively, an industry advisor. Students are encouraged to plan for projects results that can be published at academic conferences or will impact academic research.

Semester-long project course in which each student will identify and carry out a project related to machine learning, with the goal of publishing a research paper or software tool.

0101	Thomas Goldstein	Seats (Total: 37)
	TuTh 2:00pm - 3:15pm	CSI 3117

CMSC474 **Introduction to Computational Game Theory**

(Perm req) Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Credit only granted for: CMSC474, ECON414, GVPT390 or GVPT399A.

Game theory deals with interactions among agents (either human or computerized) whose objectives and preferences may differ from the objectives and preferences of the other agents. It will also provide a comprehensive introduction to game theory, concentrating on its computational aspects.

0101	Mohammad Hajiaghayi	Seats (Total: 88)
	TuTh 9:30am - 10:45am	CSI 2117

CMSC475 Combinatorics and Graph Theory

(Perm req) Credits: 3 Grading Method: Regular

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH341, MATH461); and 1 course with a minimum grade of C- from (MATH241, MATH340). Cross-listed with: MATH475. Credit only granted for: MATH475 or CMSC475.

General enumeration methods, difference equations, generating functions. Elements of graph theory, matrix representations of graphs, applications of graph theory to transport networks, matching theory and graphical algorithms.

Credit only granted for MATH475 or CMSC475.

0101	Wiseley Wong	Seats (Total: 35)
	MWF 10:00am - 10:50am	PHY 2124

CMSC498A Selected Topics in Computer Science

(Perm req) Credits: 1-3 Grading Method: Regular

An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed

An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. Credit according to work completed.

Contact department for information to register for this course.

CMSC498B Selected Topics in Computer Science; Cloud Computing

(Perm req) Credits: 3 Grading Method: Regular

An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed

Prerequisites: Minimum grade of C- in CMSC330 and CMSC351. Explores several fundamental topics of cloud computing, including IaaS (e.g., Open Stack, Kubernetes), key big data platforms, and data center networking. The course combines group reading and discussion of influential publications in the field, lectures by the instructor, talksby invited speakers, and a large project. Students will be a part of an agile development team, with extensive experience with GitHub, agile tools, and various technologies. Each course project is solicited from open-source community and will be mentored by an industry leader and/or engineer, or a senior graduate student/postdoc.

0101	Zaoxing Liu	Seats (Total: 45)
	TuTh 3:30pm - 4:45pm	IRB 2107

CMSC498J **Selected Topics in Computer Science; Human-Robot Interaction, Device Prototyping, and Embodied AI**

(Perm req)

Credits: 3 Grading Method: Regular

An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed

Minimum grade of C- in CMSC330 and CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. This course is designed to introduce advanced undergraduates to human-robot interaction (HRI) and the recent developments in embodied AI, an emerging research area focused on the design and evaluation of interactions between humans and robotic technologies. Students will: (1)learn design principles for building, and research methods for evaluating, interactive robot systems through lectures, readings, and assignments; (2) read and discuss relevant literature to gain a solid understanding of various research topics in HRI; and (3) gain hands-on experience by prototyping a functional embodied AI robot that integrates the principles, methods, and knowledge acquired throughout the course.

0101	Huaishu Peng	Seats (Total: 40)
	MW 3:30pm - 4:45pm	IRB 1116

CMSC498K **Selected Topics in Computer Science; Introduction to Multimodal Deep Learning**

(Perm req)

Credits: 3 Grading Method: Regular

An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed

Prerequisites: Minimum grade of C- in CMSC320, CMSC330, and CMSC351; and 1 course with a minimum grade of C- from (MATH240, MATH341, MATH461); and permission of the CMNS-Computer Science department. This course will provide a comprehensive introduction to the fundamental concepts of key modalities and algorithms for multimodal representation learning, alignment, and fusion. Students will learn key concepts, algorithms, and applications centered around multimodal deep learning while gaining hands-on experience with state-of-the-art models and emerging reresearch trends.

0101	Ruohan Gao	Seats (Total: 53)
	TuTh 12:30pm - 1:45pm	IRB 2107

CMSC498Z **Selected Topics in Computer Science; Differentiable Programming for Agentic AI and Physical Intelligence**

(Perm req)

Credits: 1-3 Grading Method: Regular

An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed

Prerequisites: Minimum grade of C- in CMSC330 and CMSC351 and permission of the CMNS-Computer Science department. This course is an introduction to differentiable Programming, a new programiing paradigm in which a numerical program can be differentiated through automatic differentiation, allowing gradient-based optimization of parameters in the program. It has broad applications in Computer Graphics, Computer Vision, Deep Learning, Quantum Computing, System Control, and many more. The course assumes a good working knowledge of linear algebra and differentiation. The course experience includes hands-on project s with differentiable programming for agentic AI systems and physical intelligence.

0101	Ming Lin	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	IRB 2207

CMSC499A **Independent Undergraduate Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Students are provided with an opportunity to participate in a computer science research project under the guidance of a faculty advisor. Format varies. Students and supervising faculty member will agree to a research plan which must be approved by the department. As part of each research plan, students should produce a final paper delineating their contribution to the field.

Students are provided with an opportunity to participate in a computer science research project under the guidance of a faculty advisor. Format varies. Students and supervising faculty member will agree to a research plan which must be approved by the department. As part of each research plan, students should produce a final paper delineating their contribution to the field.

Contact department for information to register for this course.

CMSC616 Foundations of Parallel Computing

Credits: 3 Grading Method: Regular

Prerequisite: CMSC411 and CMSC412; or permission of instructor. Restriction: Must be in the Computer Science or Applied Mathematics and Scientific Computation master's or doctoral programs. Credit only granted for: CMSC616 or CMSC818X. Formerly: CMSC818X.

Covers the foundations of parallel computing. Topics include programming for shared memory and distributed memory parallel architectures, and fundamental issues in design, development and analysis of parallel programs.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission.

0101	Abhinav Bhatele TuTh 11:00am - 12:15pm	Seats (Total: 16) IRB 0318
PJ01	Abhinav Bhatele TuTh 11:00am - 12:15pm *Must be in the Computer Science (M.S.) program. Golden ID students are not eligible for this section.*	Seats (Total: 8) IRB 0318

CMSC631 Program Analysis and Understanding

Credits: 3 Grading Method: Regular

Prerequisite: CMSC330; or students who have taken courses with comparable content may contact the department; or permission of instructor.

Techniques for static analysis of source code and modern programming paradigms. Analysis techniques: data flow analysis, program dependence graphs, program slicing, abstract interpretation. The meaning of programs: denotational semantics, partial evaluation. Advanced treatment of abstraction mechanisms: polymorphic types, operation overloading, inheritance, object-oriented programming and ML-like programming languages.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission.

0101	Leonidas Lampropoulos TuTh 2:00pm - 3:15pm	Seats (Total: 22) CSI 2120

PJ01	Leonidas Lampropoulos	Seats (Total: 18)
	TuTh 2:00pm - 3:15pm	CSI 2120
	Must be in the Computer Science (M.S.) program. Golden ID students are not eligible for this section.	

CMSC634 **Empirical Research Methods for Computer Science**

Credits: 3 Grading Method: Regular

Recommended: An introductory statistics class. Restriction: Must be in Computer Science (Master's) program; or must be in Computer Science (Doctoral) program; or permission of instructor. Credit only granted for: CMSC838G (Fall2005) or CMSC634.

A graduate-level introductory course on empirical reseach methods for computer scientists. Experimental techniques for evaluating software systems and processes, human performance using interfaces, programming environments, and software engineering methods. Introduction to constructs and methods of measurements, qualitative and quantitative design, quasi-experimental and non-experimental design, baseline design, and statistical analysis.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission.

0101	Michelle Mazurek	Seats (Total: 24)
	TuTh 9:30am - 10:45am	IRB 1207
PJ01	Michelle Mazurek	Seats (Total: 17)
	TuTh 9:30am - 10:45am	IRB 1207
	Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

CMSC657 **Introduction to Quantum Information Processing**

Credits: 3 Grading Method: Regular

Prerequisite: Familiarity with complex numbers and basic concepts in linear algebra (e.g., eigenvalues, eigenvectors, Hermitian and unitary matrices) is required. Credit only granted for: CMSC657 or CMSC858K. Formerly: CMSC858K. Additional information: Previous background in quantum mechanics or theory of computation is not required.

An introduction to the field of quantum information processing. Students will be prepared to pursue further study in quantum computing, quantum information theory, and related areas.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission.

0101	Andrew Childs	Seats (Total: 40)
	MW 3:30pm - 4:45pm	CSI 1115

PJ01	Andrew Childs	Seats (Total: 25)
	MW 3:30pm - 4:45pm	CSI 1115
	Must be in the Computer Science (M.S.) program. Golden ID students are not eligible for this section.	

CMSC660 **Scientific Computing I**

Credits: 3 Grading Method: Regular

Prerequisite: Must have knowledge of Matlab or Python. Cross-listed with: AMSC660. Credit only granted for: AMSC660 or CMSC660.

Fundamental techniques in scientific computation with an introduction to theory and software for each topic. Computer numbers and sources of errors, numerical linear algebra, optimization, and Monte Carlo methods.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission.

0101	Deep Ray	Seats (Total: 37)
	TuTh 9:30am - 10:45am	MTH B0421

CMSC673 **Capstone in Machine Learning**

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C-in CMSC421 or CMSC422. Jointly offered with: CMSC473. Credit only granted for: CMSC673, CMSC798P, CMSC473, or CMSC498P. Formerly: CMSC798P.

Semester-long project course in which each student will identify and carry out a project related to machine learning, with the goal of publishing a research paper or software tool.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission.

0101	Thomas Goldstein	Seats (Total: 37)
	TuTh 2:00pm - 3:15pm	CSI 3117
PJ01	Thomas Goldstein	Seats (Total: 19)
	TuTh 2:00pm - 3:15pm	CSI 3117
	Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

CMSC722 **Artificial Intelligence Planning**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: CMSC421; or students who have taken courses with comparable content may contact the department; or permission of CMNS-Computer Science department.

Automated planning of actions to accomplish some desired goals. Basic algorithms, important systems, and new directions in the field of artificial intelligence planning systems.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission.

0101	Mark Roberts MW 3:30pm - 4:45pm	Seats (Total: 20) AJC 2121
PJ01	Mark Roberts MW 3:30pm - 4:45pm	Seats (Total: 20) AJC 2121
	Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

CMSC723 Natural Language Processing

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC422; and permission of CMNS-Computer Science department. Cross-listed with: INST735, LING723. Credit only granted for: CMSC723, LING723, or INST735. Additional information: CMSC students may only receive PhD Comp. credit for CMSC723 or CMSC823, not both.

Introduce fundamental concepts, techniques, and algorithms for the computational handling of natural language. Statistical and machine learning techniques, models, and algorithms that enable computers to deal with the ambiguity and implicit structure of human language. Approaches that focus on uncovering linguistic structure, such as syntactic or semantic parsing, as well as those that focus on manipulating text in useful ways, such as question answering or machine translation.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission.

0101	Mohit Iyyer MW 2:00pm - 3:15pm	Seats (Total: 38) IRB 0318
PJ01	Mohit Iyyer MW 2:00pm - 3:15pm	Seats (Total: 42) IRB 0318
	Must be in the Computer Science (M.S.) program. Golden ID students are not eligible for this section.	

CMSC740 Advanced Computer Graphics

Credits: 3 Grading Method: Regular

Prerequisite: MATH240 and CMSC420; or permission of instructor.

An introduction to advanced concepts in computer graphics. Includes an introduction to realistic rendering based on physical properties of light transport, radiometric concepts, and the rendering equation; Monte Carlo integration techniques to solve the rendering equation such as path tracing and multiple importance sampling; and neural network techniques for efficient sampling and denoising. Further discusses recent advances in 3D modeling and reconstruction, such as neural network-based 3D reconstruction; inverse rendering using neural radiance fields and differentiable rendering; and generative modeling for images, videos, and 3D data.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission.

0101	Matthias Zwicker TuTh 2:00pm - 3:15pm	Seats (Total: 27) IRB 2107
PJ01	Matthias Zwicker TuTh 2:00pm - 3:15pm *Must be in the Computer Science (M.S.) program. Golden ID students are not eligible for this section.*	Seats (Total: 27) IRB 2107

CMSC798 **Master's Non-Thesis Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Master's Non-Thesis Research

Contact department for information to register for this course.

CMSC799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

CMSC801 **Department Internal Research Seminar**

Credits: 1 Grading Method: Sat-Fail

Credit only granted for: CMSC798E or CMSC801. Formerly: CMSC798E.

Research overviews from faculty to help introduce departmental research to graduate students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission.

0101	Ramani Duraiswami F 11:00am - 11:50am	Seats (Total: 37) IRB 0318

PJ01	Ramani Duraiswami F 11:00am - 11:50am	Seats (Total: 13) IRB 0318
	Must be in the Computer Science (M.S.) program. Golden ID students are not eligible for this section.	

CMSC818I **Advanced Topics in Computer Systems; Large Language Models, Security, and Privacy**

Credits: 3 Grading Method: Regular

Advanced topics selected by the faculty from the literature of computer systems to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission.

0101	Yizheng Chen TuTh 11:00am - 12:15pm	Seats (Total: 38) IRB 2107
PJ01	Yizheng Chen TuTh 11:00am - 12:15pm	Seats (Total: 16) IRB 2107
	Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

CMSC818J **Advanced Topics in Computer Systems; Domain Specific Architecture**

Credits: 3 Grading Method: Regular

Advanced topics selected by the faculty from the literature of computer systems to suit the interest and background of students.

Cross-listed with ENEE759c. Credit only granted for CMSC818J or ENEE759C. Must be in the Graduate Program in Computer Science. All other graduate students must request permission.

0101	Bahar Asgari MW 3:30pm - 4:45pm	Seats (Total: 30) IRB 1207
PJ01	Bahar Asgari MW 3:30pm - 4:45pm	Seats (Total: 10) IRB 1207
	Must be in the Computer Science (M.S.) program. Golden ID students are not eligible for this section.	

CMSC818T **Advanced Topics in Computer Systems; Applied Cryptographic Systems and Privacy Enhancing Technologies.**

Credits: 3 Grading Method: Regular

Advanced topics selected by the faculty from the literature of computer systems to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission. The course is a seminar structured around selected papers and a course project on advanced cryptographic systems. This will cover systems for privacy-preserving analytics, private information retrieval, encrypted messaging and moderation, privacy-preserving payments, and identity systems and anonymous credentials. This course is intended for computer science graduate students and advanced undergraduates with an interest in the area. Undergraduates should have taken a previous security or cryptography class.

0101	Ian Miers TuTh 2:00pm - 3:15pm	Seats (Total: 28) CSI 1121
PJ01	Ian Miers TuTh 2:00pm - 3:15pm	Seats (Total: 12) CSI 1121
	Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

CMSC818V **Advanced Topics in Computer Systems; Machine Learning for Physical Sensing and Perception**

Credits: 3 Grading Method: Regular

Advanced topics selected by the faculty from the literature of computer systems to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission. This course delves into advanced machine learning techniques for physical sensing and real-world perception. Topics include multimodal 3D volumetric rendering with physics-informed priors, ultra-low-power navigation with metamaterial sensing, urban localization via wireless signal patterns, sparse sensing for underwater imaging, and integrating spatial knowledge into language models for perception-aware AI.

0101	Nirupam Roy TuTh 3:30pm - 4:45pm	Seats (Total: 30) IRB 1207
PJ01	Nirupam Roy TuTh 3:30pm - 4:45pm	Seats (Total: 10) IRB 1207
	Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

CMSC828J **Advanced Topics in Information Processing; Common-sense Reasoning and Natural Language Understanding**

Credits: 3 Grading Method: Regular

Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission.

0101	Rachel Rudinger TuTh 12:30pm - 1:45pm	Seats (Total: 24) CSI 1121
PJ01	Rachel Rudinger TuTh 12:30pm - 1:45pm	Seats (Total: 16) CSI 1121
	Must be in the Computer Science (M.S.) program. Golden ID students are not eligible for this section.	

CMSC828V **Advanced Topics in Information Processing; Numerical Methods for Data Science and Machine Learning**

Credits: 1-3 Grading Method: Regular, Audit, Sat-Fail

Advanced topics selected by the faculty from the literature of information processing to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission.

0101	Maria Cameron MWF 10:00am - 10:50am	Seats (Total: 40) PHY 0405

CMSC838B **Advanced Topics in Programming Languages; Differentiable Programming for Agentic AI and Physical Intelligence**

Credits: 3 Grading Method: Regular

Advanced topics selected by faculty from the literature of programming languages to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission. This course is an introduction to differentiable Programming, a new programming paradigm in which a numerical program can be differentiated through automatic differentiation , allowing gradient-based optimization of parameters in the program. It has broad applications in Computer Graphics, Computer Vision, Deep Learning, Quantum Computing, System Control, and many more. The course assumes a good working knowledge of linear algebra and differentiation. The course experience includes hands-on project s with differentiable programming for agentic AI systems and physical intelligence.

0101	Ming Lin TuTh 12:30pm - 1:45pm	Seats (Total: 20) IRB 2207

PJ01	Ming Lin	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	IRB 2207
	Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

CMSC838L **Advanced Topics in Programming Languages; Programming Languages and Computer Architecture**

Credits: 3 Grading Method: Regular

Advanced topics selected by faculty from the literature of programming languages to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Exploration of the interplay between computer architecture and programming languages, with a focus on applying PL formalisms and techniques to emerging computer architecture research. The course is structured into three parts: 1) Topics in novel computer architectures/computing paradigms (dataflow processing, intermittent computing, persistent memory, reconfigurable architectures, etc.); 2) PL*for* computer architecture (design of hardware description languages and high-level synthesis languages, etc.); 3) Problems of end-to-end correctness guarantees (verified and secure compilation, full-stack correctness proofs, etc.). This is a seminar course where students read and present papers, as well as carry out a research project.

0101	Milijana Surbatovich	Seats (Total: 28)
	TuTh 3:30pm - 4:45pm	CSI 3117
PJ01	Milijana Surbatovich	Seats (Total: 12)
	TuTh 3:30pm - 4:45pm	CSI 3117
	Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

CMSC839A **Advanced Topics in Human-Computer Interaction; Embodied Media Design**

Credits: 3 Grading Method: Regular

Advanced topics selected by the faculty from the literature of human-computer interaction to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Explores the potential of human augmentation technologies, such as wearable computing, haptics, virtual reality, and more, to enhance human physical, perceptual, and cognitive capabilities. To achieve this, students will read relevant literature from the fields of Psychology, Cognitive Science, and Human-Computer Interaction. Additionally, students will create low-fidelity paper mockups and a prototype based on digital/analog circuit design, mechanical design, and a programming environment.

0101	Jun Nishida MW 3:30pm - 4:45pm	Seats (Total: 23) IRB 2207
PJ01	Jun Nishida MW 3:30pm - 4:45pm	Seats (Total: 17) IRB 2207
	Must be in the Computer Science (M.S.) program. Golden ID students are not eligible for this section.	

CMSC839C **Advanced Topics in Human-Computer Interaction; Governing Algorithms & Algorithmic Governance**

Credits: 3 Grading Method: Regular

Advanced topics selected by the faculty from the literature of human-computer interaction to suit the interest and background of students.

Cross-listed with INST878D. Credit only granted for INST878D or CMSC839C. Must be in the Graduate Program in Computer Science. All other graduate students must request permission. This cross-cutting interdisciplinary course, taught jointly between the College of Information Studies and the Department of Computer Science, investigates the role that algorithms and automated decision-making systems play in markets, societies, and policymaking. The course connects policy and computational conceptualizations of transparency, security, fairness, privacy, manipulation, and accountability through a series of casestudies and burning debates. Students will collaborate cross-disciplinary and be encouraged to work through difficult trade-offs to reach consensus. By discussing recent applications of algorithms for social and consumer sorting, and the moderation and generation of content, students will engage with the pressing challenges and opportunities in the governance of and by algorithms.

0101	Gabriel Kaptchuk, Lee Tiedrich Tu 11:00am - 1:45pm	Seats (Total: 18) HBK 1108
PJ01	Gabriel Kaptchuk, Lee Tiedrich Tu 11:00am - 1:45pm	Seats (Total: 7) HBK 1108
	Must be in the Computer Science (M.S.) program. Golden ID students are not eligible for this section.	

CMSC839E **Advanced Topics in Human-Computer Interaction; Uncertainty Communication for Decision-Making**

Credits: 3 Grading Method: Regular

Advanced topics selected by the faculty from the literature of human-computer interaction to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Human-Computer Interaction (HCI) research topics focusing on model uncertainty and decision-making. We will cover a range of models, from linear regression to probabilistic forecasts and AI foundation models, and explore how to help human users understand and manage uncertainty in these computational models. Core topics include statistical communication, explainability, decision-making, uncertainty visualization, and LLM/LMM uncertainty. The course format includes a combination of readings, presentations, discussions, and lectures.

0101	Fumeng Yang MW 2:00pm - 3:15pm	Seats (Total: 35) IRB 1207
PJ01	Fumeng Yang MW 2:00pm - 3:15pm	Seats (Total: 11) IRB 1207
	Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

CMSC848B **Selected Topics in Information Processing; Computational Imaging**

Credits: 3 Grading Method: Regular

Selected topics by the faculty from the literature of information processing to suit the interest and background of students.

Restriction: Must be in the Computer Science or Electrical and Computer Engineering Master's or Doctoral programs, or permission of instructor. Cross-listed with ENEE739Z. Credit only granted for CMSC848B or ENEE739Z. Introduces various computational imaging systems and the algorithms that underlie their operation. Particular emphasis will be placed on recently developed learning based reconstruction algorithms. This is a mixed lecture/seminar course.

0101	Christopher Metzler MW 2:00pm - 3:15pm	Seats (Total: 30) IRB 2207
PJ01	Christopher Metzler MW 2:00pm - 3:15pm	Seats (Total: 15) IRB 2207
	Must be in the Computer Science (M.S.) program. Golden ID students are not eligible for this section.	

CMSC848I **Selected Topics in Information Processing; AI Agents and Sequential Decision Making**

Credits: 3 Grading Method: Regular

Selected topics by the faculty from the literature of information processing to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission. AI-based agents need to operate in complex environments to make sequences of decisions to achieve some known goal. Many learning frameworks for sequential decision making exist, including reinforcement learning, imitation learning, learning from instructions, and others. In this course we will cover the foundations of all these methods, building up to modern AI-based agents that are enabled by large foundation models such as large language models and large vision/language models.

0101	Hal Daume TuTh 3:30pm - 4:45pm	Seats (Total: 25) CSI 2117
PJ01	Hal Daume TuTh 3:30pm - 4:45pm	Seats (Total: 15) CSI 2117
	Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

CMSC848K **Selected Topics in Information Processing; Multimodal Foundation Models**

Credits: 3 Grading Method: Regular

Selected topics by the faculty from the literature of information processing to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Discusses recent foundation models proposed in the literature, with a focus on vision-language models. Topics include large language models, vision-language models, and vision-audio models.

0101	Jia-Bin Huang TuTh 11:00am - 12:15pm	Seats (Total: 55) CSI 3117
PJ01	Jia-Bin Huang TuTh 11:00am - 12:15pm	Seats (Total: 33) CSI 3117
	Must be in the Computer Science (M.S.) program. Golden ID students are not eligible for this section.	

CMSC848N **Selected Topics in Information Processing; Generative AI Agents**

Credits: 3 Grading Method: Regular

Selected topics by the faculty from the literature of information processing to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Dives into the cutting edge of generative AI agents-autonomous systems powered by large language and vision models that can reason, plan, and act in complex environments. Explores how these agents use tools, memory, and multi-step reasoning to tackle real-world tasks, drawing from recent breakthroughs in research and industry. Students will design, build, and evaluate their own agents through hands-on projects.

0101	Furong Huang TuTh 12:30pm - 1:45pm	Seats (Total: 60) CSI 2117
PJ01	Furong Huang TuTh 12:30pm - 1:45pm	Seats (Total: 28) CSI 2117
	Must be in the Computer Science (M.S.) program. Golden ID students are not eligible for this section.	

CMSC848P Selected Topics in Information Processing; Machine Learning Theory

Credits: 3 Grading Method: Regular

Selected topics by the faculty from the literature of information processing to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission. This course covers core topics in machine learning theory, including generalization bounds in the offline setting (including VC dimension, one-inclusion graphs, compression schemes) and regret bounds in the online setting (including multiplicative weights, Littlestone dimension). We will also explore advanced topics such as adversarial robustness, the intersection of game theory and learning, etc.

0101	Han Shao TuTh 3:30pm - 4:45pm	Seats (Total: 25) CSI 1121
PJ01	Han Shao TuTh 3:30pm - 4:45pm	Seats (Total: 15) CSI 1121
	Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

CMSC848R Selected Topics in Information Processing; Language Model Interpretability

Credits: 3 Grading Method: Regular

Selected topics by the faculty from the literature of information processing to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission. The course focuses on state-of-the-art methods for interpreting language language models and understanding their learned behaviors. We will discuss approaches centered on both understanding models internal mechanisms/representations and attributing behaviors back to thee training data. We will focus on model tendencies including hallucination, factuality, memorization, and explanation/reasoning elicitation. If time allows, we will discuss recent developments in ameliorating learned behaviors, such as model editing, unlearning, and steering.

0101	Sarah Wiegreffe TuTh 12:30pm - 1:45pm	Seats (Total: 27) AJC 2132
PJ01	Sarah Wiegreffe TuTh 12:30pm - 1:45pm *Must be in the Computer Science (M.S.) program. Golden ID students are not eligible for this section.*	Seats (Total: 13) AJC 2132

CMSC848W **Selected Topics in Information Processing; Foundations of Interpretable Artificial Intelligence**

Credits: 3 Grading Method: Regular

Selected topics by the faculty from the literature of information processing to suit the interest and background of students.

Cross-listed with ENEE739F. Credit granted only for CMSC848W or ENEE739F. The course introduces advances in the field of eXplainable Artificial Intelligence (XAI), ranging from inherently interpretable models, all the way to posthoc explanations (e.g., feature attributions, counterfactual explanations, mechanistic interpretability). The course will also discuss connections between explainability and robustness, privacy, ethics, and trust, as well as, emergent research challenges in explainability for large generative models.

0101	Sanghamitra Dutta MW 11:00am - 12:15pm	Seats (Total: 35) AJC 2134

CMSC858J **Advanced Topics in Theory of Computing; Algorithmic Game Theory**

Credits: 3 Grading Method: Regular

Advanced topics selected by the faculty from the literature of theory of computing to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Mechanism Design in particular Algorithmic Game Theory, which can be viewed as "incentive-aware algorithm design", have become an increasingly important part of (theoretical) computer science in recent years. Recent results show a strong relation between computer science (esp. networking) and economics (esp. game theory), and techniques from each seem well-poised to help with key problems of the other. My first goal is to study these connections which produce powerful mechanisms for adaptive and networked environments and several other applied areas, and improve the experience of users of the Web and internet. To this end,it would be a broad survey of topics such as: algorithmic mechanism design; auctions (efficient, revenue-maximizing, sponsored search; congestion and potential games; cost sharing; existence, computation, and learning of equilibria; game theory in the Internet; network games; price of anarchy; selfish routing.

0101	Mohammad Hajiaghayi TuTh 11:00am - 12:15pm	Seats (Total: 28) CSI 2120
PJ01	Mohammad Hajiaghayi TuTh 11:00am - 12:15pm	Seats (Total: 12) CSI 2120
	Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

CMSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Advanced topics selected by the faculty from the literature of applications of computer science to suit the interest and background of students.

Must be in the Graduate Program in Computer Science. All other graduate students must request permission.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

COMM Communication Fall 2025

COMM107 **Oral Communication: Principles and Practices**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: FSOC

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.

A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

0101	Kellen Sharp MWF 8:00am - 8:50am	Seats (Total: 19) SKN 1112
0201	Seble Solomon MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1176
0301	Morgan Thoem MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1180
0401	Mahinaz Saad MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1184
0501	Chantay Moye MWF 8:00am - 8:50am	Seats (Total: 19) JMZ 2120
1101	Kellen Sharp MWF 9:00am - 9:50am	Seats (Total: 19) SKN 1112
1201	Seble Solomon MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1176
1301	Morgan Thoem MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1180
1401	Mahinaz Saad MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1184
1501	Chantay Moye MWF 9:00am - 9:50am	Seats (Total: 19) JMZ 2120
1601	Daniel Foster MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1113
1701	Gareth Williams MWF 9:00am - 9:50am	Seats (Total: 19) HBK 0108
2301	Anuoluwapo Adesina MWF 10:00am - 10:50am	Seats (Total: 19) SKN 1112
2401	T-Kea Blackman MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1176

2501	Andrew Donkor MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1180
2601	Umisha Kc MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1184
2701	Gareth Williams MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1172
2901	Daniel Foster MWF 10:00am - 10:50am	Seats (Total: 19) KEY 0117
3301	Anuoluwapo Adesina MWF 11:00am - 11:50am	Seats (Total: 19) SKN 1112
3401	T-Kea Blackman MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1176
3501	Andrew Donkor MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1180
3601	Daniel Foster MWF 11:00am - 11:50am	Seats (Total: 19) TLF 0103
4301	Rachel Bailey MWF 1:00pm - 1:50pm	Seats (Total: 19) SKN 1112
4401	Yuxiao Zhang MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1176
4501	Rudy Kim MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1180
4601	Danilo de Sousa Nhantumbo MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1184
4801	Gareth Williams MWF 1:00pm - 1:50pm	Seats (Total: 19) HBK 0108
4901	Rachel Bailey MWF 2:00pm - 2:50pm	Seats (Total: 19) SKN 1112

5001	Yuxiao Zhang MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1176
5101	Rudy Kim MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1180
5201	Danilo de Sousa Nhantumbo MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1184
5501	Shilin Xia MW 2:00pm - 3:15pm	Seats (Total: 19) PHY 4222
5601	Xingman Wu MW 2:00pm - 3:15pm	Seats (Total: 19) ATL 1109
5701	Mollie Kaufer MW 2:00pm - 3:15pm	Seats (Total: 19) PLS 1115
5801	Daniel Foster MW 2:00pm - 3:15pm	Seats (Total: 19) WDS 1131
5901	Crystal Stone MW 2:00pm - 3:15pm	Seats (Total: 19) CCC 1115
6101	Shilin Xia MW 3:30pm - 4:45pm	Seats (Total: 19) PHY 4222
6201	Xingman Wu MW 3:30pm - 4:45pm	Seats (Total: 19) PLS 1184
6301	Omoleye Adeyemi MW 3:30pm - 4:45pm	Seats (Total: 19) PLS 1176
6401	Mollie Kaufer MW 3:30pm - 4:45pm	Seats (Total: 19) PLS 1180
6501	Raphael Mazzone MW 3:30pm - 4:45pm	Seats (Total: 19) SKN 1112
6601	Omoleye Adeyemi MW 5:00pm - 6:15pm	Seats (Total: 19) PLS 1184

6701	Mollie Kaufer MW 5:00pm - 6:15pm	Seats (Total: 19) PLS 1180
6801	Robin Bedenbaugh, Melissa Lucas MW 5:00pm - 6:15pm	Seats (Total: 19) PLS 1146
6901	Julie Gowin MW 5:00pm - 6:15pm	Seats (Total: 19) SKN 1112
7301	Kimberli Munoz TuTh 8:00am - 9:15am	Seats (Total: 19) SKN 1112
7401	Zirong Li TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1176
7501	Tameka Shelford TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1180
7601	Siqiao Ao TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1184
7701	Chantay Moye TuTh 8:00am - 9:15am	Seats (Total: 19) WDS 1127
7901	Chantay Moye TuTh 9:30am - 10:45am	Seats (Total: 19) WDS 1127
8001	Neha Kamran TuTh 9:30am - 10:45am	Seats (Total: 19) JMZ 2125
8101	Kimberli Munoz TuTh 9:30am - 10:45am	Seats (Total: 19) SKN 1112
8201	Zirong Li TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1176
8301	Tameka Shelford TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1180
8401	Josue Porras-Fernandez TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1184

8601	Emma Newton TuTh 9:30am - 10:45am	Seats (Total: 19) WDS 1131
8801	Kalin Schultz TuTh 11:00am - 12:15pm	Seats (Total: 19) ARC 1127
8901	Sabeen Sheikh TuTh 11:00am - 12:15pm	Seats (Total: 19) SKN 1112
9001	Soyoung Bae TuTh 11:00am - 12:15pm	Seats (Total: 19) PLS 1176
9101	Marcus Wu TuTh 11:00am - 12:15pm	Seats (Total: 19) PLS 1180
9201	Neha Kamran TuTh 11:00am - 12:15pm	Seats (Total: 19) JMZ 0205
9301	Sean Rhodes TuTh 11:00am - 12:15pm	Seats (Total: 19) SQH 1123
9401	Tatenda Mashanda TuTh 11:00am - 12:15pm	Seats (Total: 19) HBK 0123
9501	T.X. Watson TuTh 11:00am - 12:15pm	Seats (Total: 19) PLS 1172
9601	Sabeen Sheikh TuTh 12:30pm - 1:45pm	Seats (Total: 19) SKN 1112
9701	Soyoung Bae TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1176
9801	Esther Son TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1180
9901	Felicity Dogbatse TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1184
9902	Neha Kamran TuTh 12:30pm - 1:45pm	Seats (Total: 19) WDS 1102

9903	Jonathan Leach TuTh 12:30pm - 1:45pm	Seats (Total: 19) JMZ 0120
9904	T.X. Watson TuTh 12:30pm - 1:45pm	Seats (Total: 19) JMZ 1215
9905	Neha Kamran TuTh 2:00pm - 3:15pm	Seats (Total: 19) SKN 1112
9906	Jeremy Grossman TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1176
9907	Kalin Schultz TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1180
9908	Vijaya Bohlmann TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1184
9909	Esther Son TuTh 2:00pm - 3:15pm	Seats (Total: 19) WDS 1127
9910	Alexandra Grimm TuTh 2:00pm - 3:15pm	Seats (Total: 19) WDS 1131
9911	Neha Kamran TuTh 3:30pm - 4:45pm	Seats (Total: 19) SKN 1112
9912	Jeremy Grossman TuTh 3:30pm - 4:45pm	Seats (Total: 19) PLS 1176
9913	Kalin Schultz TuTh 3:30pm - 4:45pm	Seats (Total: 19) PLS 1180
9914	Jonathan Leach TuTh 3:30pm - 4:45pm	Seats (Total: 19) PLS 1184
9915	Kimberli Munoz TuTh 3:30pm - 4:45pm	Seats (Total: 19) PHY 4222
9916	Misa Park TuTh 3:30pm - 4:45pm	Seats (Total: 19) ATL 0201

9917	Vijaya Bohlmann TuTh 5:00pm - 6:15pm	Seats (Total: 19) SKN 1112
9918	Jonathan Leach TuTh 5:00pm - 6:15pm	Seats (Total: 19) PLS 1176
9919	Alexandra Grimm TuTh 5:00pm - 6:15pm	Seats (Total: 19) PLS 1180
9920	Tania Chanda TuTh 12:30pm - 1:45pm	Seats (Total: 19) LEF 1221
9921	Cassondra Pope TuTh 12:30pm - 1:45pm	Seats (Total: 19) JMZ 0118
9922	Misa Park TuTh 11:00am - 12:15pm	Seats (Total: 19) MMH 0108
9923	Misa Park TuTh 12:30pm - 1:45pm	Seats (Total: 19) JMZ 3122
9924	Tania Chanda TuTh 2:00pm - 3:15pm	Seats (Total: 19) JMZ 1215
9925	Stephan Garnier TuTh 3:30pm - 4:45pm	Seats (Total: 19) JMZ 2207
9926	Cassondra Pope TuTh 11:00am - 12:15pm	Seats (Total: 19) SYM 0209
9927	Jana Sabri MW 12:30pm - 1:45pm	Seats (Total: 19) HBK 0123
9928	Stephan Garnier TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1172
9929	Stephan Garnier TuTh 5:00pm - 6:15pm	Seats (Total: 19) JMZ 2125

FC01	Rachel Bailey MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) JMZ 1103
FC02	Cassondra Pope TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) JMZ 0125
FC03	L Gordon TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) PLS 1146
FC04	Rachel Bailey MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0124
FC05	Rachel Bailey MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0117
FC06	L Gordon TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) PLS 1146
FC07	Taylor Kleiner TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) SYM 0215

COMM107B **Oral Communication: Principles and Practices**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: FSOC

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.

A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

Restricted to students in the Smith Business Leadership Fellows program.

0101	Melissa Lucas TuTh 11:00am - 12:15pm *Restricted to BMGT students*	Seats (Total: 19) ATL 0201

0201	Christine Schaaf TuTh 11:00am - 12:15pm *Restricted to students in the Smith Business Leadership Fellows program*	Seats (Total: 19) BPS 1232

COMM107C **Oral Communication: Principles and Practices**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: FSOC

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.

A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

This class is designed for current or prospective STEM students.

0101	Cassondra Pope TuTh 8:00am - 9:15am	Seats (Total: 19) SQH 1111

COMM130 **Professional Communication and Writing**

Credits: 1 | Grading Method: Regular

Restriction: Must be in the Communication major.

Designed to enhance the clarity and grace of students' writing. Students will acquire knowledge of writing based on principles of style and grammar as well as argument and organizational structure across a diversity of professional writing contexts. Students will also engage in peer review of one another's writing.

0101	Skye De Saint Felix F 11:00am - 11:50am	Seats (Total: 50) ONLINE
0201	Skye De Saint Felix F 12:00pm - 12:50pm	Seats (Total: 50) ONLINE
0301	Skye De Saint Felix F 1:00pm - 1:50pm	Seats (Total: 50) ONLINE

COMM200 **Critical Thinking and Speaking**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: FSOC

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130, OR THET285.

Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues.

Attendance on the first day of classes is mandatory.

0101	Kimberli Munoz TuTh 12:30pm - 1:45pm	Seats (Total: 19) TLF 0110
0201	Stephan Garnier TuTh 8:00am - 9:15am	Seats (Total: 19) KEY 0119
0301	Stephan Garnier TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1113
0401	Kimberli Munoz TuTh 2:00pm - 3:15pm	Seats (Total: 19) JMZ 2207
0501	Allison Doherty TuTh 3:30pm - 4:45pm	Seats (Total: 19) WDS 1131
0601	Allison Doherty TuTh 5:00pm - 6:15pm	Seats (Total: 19) WDS 1127
0701	Allison Doherty MW 3:30pm - 4:45pm	Seats (Total: 19) TYD 1108
0801	Allison Doherty MW 5:00pm - 6:15pm	Seats (Total: 19) JMZ 1224

COMM201 **Introduction to Public Relations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in COMM130. Restriction: Must be in the Communication major.

Basic concepts and principles of public relations. Roles in organizations and society; history; skills and practices of public relations; theories and models of effective and ethical public relations.

0101	Ganga Dhanesh MW 5:00pm - 6:15pm	Seats (Total: 75) ESJ 2212

COMM230 **Argumentation and Debate**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A study of the fundamental principles of reasoning, analysis, and evidence preparation of debate briefs and presentation of standard academic debate.

Attendance on the first day of class is mandatory.

0101	Sean Rhodes TuTh 8:00am - 9:15am	Seats (Total: 24) KEY 0123	
0201	Sean Rhodes TuTh 9:30am - 10:45am	Seats (Total: 24) KEY 0125	

COMM250 Introduction to Communication Inquiry

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.

0101	Anita Seate MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) BPS 1250 EDU 3315	Discussion
0102	Anita Seate MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) BPS 1250 JMZ 0125	Discussion
0103	Anita Seate MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) BPS 1250 KEY 0126	Discussion
0104	Anita Seate MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) BPS 1250 MMH 1304	Discussion

COMM269B Special Topics in Study Abroad II; Oral Communication for Leaders in the Business World

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

COMM269C Special Topics in Study Abroad II; Designing Communication Campaigns

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

COMM269M Special Topics in Study Abroad II; Media Technology

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

COMM269P **Special Topics in Study Abroad II; Principles of Film and Media Production**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

COMM269R **Special Topics in Study Abroad II; Introduction to Public Relations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

COMM288 **Communication Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

An individual experience arranged by the student with the instructor. Does not satisfy communication major requirements. 45 hours of supervised internship per credit hour with communication professional. Not a substitute for COMM386.

0101	Julie Gowin Contact instructor or department for details.	Seats (Total: 20)
0601	Leah Waks Contact instructor or department for details.	Seats (Total: 20)

COMM296 **Deliberative Democracy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, SCIS

Credit only granted for: HNUH238A, COMM398I (Fall 2022), or COMM296. Formerly: COMM398I.

How do we change our politics, save democracy, and move beyond the "us vs. them" culture that divides us? This course begins with the premise that how we talk to one another and debate controversial issues can promote the public good or erode it in irreparable ways. Students in each class session will put principles of public dialogue into practice as they learn deliberative theories and skills that can help save democracy. Class readings will turn to historical case studies to frame the most controversial political issues we face today.

Restricted to students in Carillon Communities. Once registered, students need an electronic stamp from an advisor to drop the course.

0101	Shawn Parry-Giles	Seats (Total: 48)
	MW 11:00am - 12:15pm	ESJ 2101
	Restricted to students in Carillon Communities. Once registered, students need an electronic stamp from an advisor to drop the course.	

COMM298R **Selected Topics in Communication; Introduction to Public Relations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topical study of contemporary issues in communication.

Contact department for information to register for this course.

COMM301 **Rhetorical Theories**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM130, COMM250; and one course from STAT100, BMGT230, EDMS451, CCJS200, PSYC200, or SOCY201; and one course from COMM107, COMM200, or COMM230; and must have completed or be concurrently enrolled in COMM304. Restriction: Must be in the Communication major. Credit only granted for: COMM301 or COMM401. Formerly: COMM401.

Explores the idea of rhetoric, from antiquity to digitality. Rhetoric, as an art of moving bodies, is central to democratic self-governance: only through persuading each other can we develop a shared vision of a just and desirable future. This course tracks the genesis of rhetorical theory in the ancient world, 20th-century struggles against fascist rhetoric, and contemporary extensions of rhetoric in digital media ecologies.

0101	Andrew Boge	Seats (Total: 50)
	TuTh 9:30am - 10:45am	VMH 1207

COMM302 **Communication Science Theories**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM130, COMM250; and one of STAT100, BMGT230, EDMS451, CCJS200, PSYC200, or SOCY201; and one of COMM107, COMM200, or COMM230; and must have completed or be concurrently enrolled in COMM304. Restriction: Must be in the Communication major. Credit only granted for: COMM302 or COMM402. Formerly: COMM402.

This class introduces students to the principles of theory construction and offers a critical overview of how communication theories can be applied to solving problems in diverse social contexts, including interpersonal, intercultural, organizational, health, and/or political issues. The ultimate goal of this course is to put students in an intellectual position to understand theories more logically and critically and use them appropriately and effectively in conducting academic research and addressing social issues.

0101	Kang Namkoong MW 3:30pm - 4:45pm	Seats (Total: 50) KEY 0103

COMM303 **Media Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM130 and COMM250; and one of STAT100, BMGT230, EDMS451, CCJS200, PSYC200, or SOCY201; and one of COMM107, COMM200, or COMM230; and must have completed or be concurrently enrolled in COMM304. Restriction: Must be in the Communication major.

Provides students with an introduction to media theory from multiple perspectives. We will begin by understanding how the history of mediated communication has been connected to ideology and lived experiences. Through readings, discussions, and activities, you will understand how technical, historical, economic social, and political forces have helped shape media content and the media themselves. You should also become familiar with the debate over how much influence the media have over their audiences, and what types of influences are present. The course will introduce issues relevant to consideration of media and historically underrepresented and marginalized groups, as well as individual and societal functions of the media.

0101	Rianna Walcott TuTh 2:00pm - 3:15pm	Seats (Total: 70) PLS 1140
ESG1	Lamia Zia MW 10:00am - 11:15am *Restricted to students in the Communication Program at USG.*	Seats (Total: 30) BLD3 3226

COMM304 **Communication Research Literacy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed the Communication gateway requirements (COMM250; and one of STAT100, BMGT230, EDMS451, CCJS200, PSYC200, or SOCY201; and one of COMM107, COMM200 or COMM230). Must have completed or be concurrently enrolled in COMM130. Restriction: Must be in the Communication program.

Explores the different research traditions in the Communication discipline. This "literacy" course will develop students' ability to locate and fully comprehend Communication research and to understand how that research is conducted, reported, analyzed, and critiqued in Communication literature.

0101	Nick Joyce TuTh 2:00pm - 3:15pm	Seats (Total: 120) SHM 2102

ESG1	Maggie Williams	Seats (Total: 30)
	TuTh 9:30am - 10:45am	BLD3 3226
	Restricted to students in the Communication Program at USG.	

COMM305 **Qualitative Communication Research Methods**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM130 and COMM304. Restriction: Must be in the Communication major.

Introduces undergraduate students to the methods used in qualitative communication research. Topics covered in class include ethics, field research, reflexivity, data collection, and data analysis. Over the course of the semester, students will develop a research prospectus, engage in field research (interviews and observations), analyze qualitative data, and write/present their research.

0101	Sahar Khamis	Seats (Total: 30)
	MW 3:30pm - 4:45pm	SKN 1115

COMM306 **Rhetorical Methods in Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM130 and COMM304. Restriction: Must be in the Communication major.

Equips students with skills for conducting research using rhetorical-critical methods. Such methods are crucial for scholars studying all kinds of public rhetoric: speeches, popular culture, photojournalism, digital media, public monuments, laws, and more. They are also instrumental for citizens engaging with elected officials, other citizens, and democratic institutions, as well as professionals who seek to create and understand persuasive discourse. This course will equip you with critical interpretive skills important to your work as a scholar, citizen, and professional.

0101	Allison Doherty	Seats (Total: 30)
	MW 2:00pm - 3:15pm	HBK 1112

COMM307 **Quantitative Methods in Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM130 and COMM304. Restriction: Must be in the Communication major. Credit only granted for: COMM400 or COMM307. Formerly: COMM400.

Designed to introduce students to the basics of quantitative communication research methods. As such, it covers the basic principles of scientific inquiry, the process for generating research questions and hypotheses, the concept of variables, sampling methods, research designs, basics of data analyses, as well as ethics in scientific research. This course prepares students to become informed consumers of quantitative communication research.

0201	Yan Qu	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 1105

COMM311 **Peer Consulting in Oral Communication**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of Communication department. Credit only granted for: COMM398C or COMM311. Formerly: COMM398C. Additional information: There will be a pre-enrollment interview conducted before students are given permission to enroll in the course. Contact the instructor for details.

Provides training in the principles and practice of peer consulting in the context of the Oral Communication Center in the Department of Communication. Students will apply and integrate the knowledge and skills acquired in their fundamental studies oral communications course with new training to help their peers become outstanding listeners and speakers. Students will also engage in a group research project designed to extend knowledge in peer consulting best practices.

0101	Raphael Mazzone	Seats (Total: 20)
	MW 12:00pm - 12:50pm Contact instructor or department for details.	SKN 2127

COMM312 **Peer Mentoring in Oral Communication**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail

Prerequisite: COMM311. Restriction: Permission of Department of Communication. Credit only granted for: COMM398U or COMM312. Formerly: COMM398U.

Provides training in the principles and practices of peer mentoring in the context of the Oral Communication Center in the Department of Communication. As peer mentors, students will apply and integrate the knowledge and skills acquired in COMM311 to help train and develop new peer consultants. Specifically, peer mentors will utilize communicative best practices, focusing on: the establishment of shared goals; performance reviews; project management and evaluation; and negotiating the mentor/mentee relationship.

0101	Raphael Mazzone	Seats (Total: 12)
	MW 12:00pm - 12:50pm Contact instructor or department for details.	SKN 1112

COMM320 **Strategic Communication**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: COMM320 or COMM498J. Formerly: COMM498J.

Presents a system of strategies that underlie communication. It is a practice-based framework with definitions, conditions, risks, and rewards that inform the moves and motives of influence professionals. Using case studies, interactive discussions, industry insights, and practical exercises, students will develop the critical thinking, analytical, and ethical decision-making skills necessary to succeed in today's complex communication landscape.

0101	Nana Kwame Osei Fordjour TuTh 12:30pm - 1:45pm	Seats (Total: 30) KEY 0102

COMM324 **Communication and Gender**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit , D | General Education: DSHU, DVUP

Explores how communication shapes constructions of gender, sex, sexuality and other identity markers. Topics include issues of oppression, identity, and power and social, political, and economic situations and examines how these issues impact our daily lives.

0101	Crystal Stone MW 3:30pm - 4:45pm	Seats (Total: 25) JMZ 2123
0201	Crystal Stone MW 5:00pm - 6:15pm	Seats (Total: 25) JMZ 2123
0301	Katie O'Malley TuTh 8:00am - 9:15am	Seats (Total: 25) JMZ 0120
0401	Katie O'Malley TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 2123

COMM330 **Argumentation and Public Policy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.

0101	Emma Newton TuTh 11:00am - 12:15pm	Seats (Total: 30) KEY 0125
0201	Alexandra Grimm TuTh 12:30pm - 1:45pm	Seats (Total: 30) ESJ B0322

COMM331 **News Writing and Reporting for Public Relations**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM130 and COMM201. Restriction: Must be in Communication program; and (sophomore standing; or junior standing). Credit only granted for: JOUR201, COMM231, or COMM331. Formerly: COMM231.

Writing and researching news and information media for public relations; laboratory in news-gathering tools and writing techniques for public relations.

0201	Rebecca Theim MW 9:00am - 10:50am	Seats (Total: 18) WDS 1127

COMM345 **Foundations of Public Dialogue and Deliberation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM107 or COMM200; and ENGL101.

Dialogue and deliberation, a form of relational communication, strengthens democracy in diverse, pluralistic communities. Students analyze case studies and practice relevant skills to support the productive exchange of arguments and work through civic issues.

0101	Tatenda Mashanda TuTh 2:00pm - 3:15pm	Seats (Total: 25) KNI 1105

COMM351 **Public Relations Techniques**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM331. Restriction: Must be in Communication program.

The techniques of public relations, including news releases, publications and printed materials, audio-visual techniques, speeches and special events. Application of these techniques in laboratory and field projects.

0201	Lahne Mattas-Curry MW 2:30pm - 3:45pm	Seats (Total: 18) SYM 0209
0301	Lahne Mattas-Curry MW 4:00pm - 5:15pm	Seats (Total: 18) TLF 0103

COMM353 **New Media Writing for Public Relations**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in COMM351. Restriction: Must be in Communication program. Credit only granted for: COMM352 or COMM353. Formerly: COMM352.

Students learn the uses and influence of new media on public relations practice and expand their ability to write using new and traditional media platforms and tools

0101	Courtnee Connon TuTh 2:00pm - 3:15pm	Seats (Total: 18) JMZ 1226

COMM360 **The Rhetoric of Black America**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

An historical-critical survey of the rhetoric of Black Americans from the colonial period to the present.

0101	Daviana Fraser TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 0103
0201	Daviana Fraser TuTh 11:00am - 12:15pm	Seats (Total: 25) WDS 1102

COMM364 **Communication, Sport, and Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: COMM449E or COMM364. Formerly: COMM449E.

Communication and culture are central to sport and sports media. From youth athletics to the professional level, sport is a multi-billion dollar industry. Indeed, sport is deeply embedded within American culture. In this course, we examine the connections amongst communication, culture, sport, and media. Specifically, we examine how communication, culture, sport, and media shape our understanding of cultural identities such as gender, race and ethnicity, sexual orientation, (dis)ability, and/or nationality, as well as issues of commodification, gaming, and more.

0101	Jana Sabri MW 2:00pm - 3:15pm	Seats (Total: 25) HBK 0123

COMM365 **Social Media & Digital Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An examination of the relationship between social media, communication, culture, economics, and politics. Emphasizes critical analysis of social media texts, platforms, and technologies. Engages contemporary theories of digital media alongside practical lessons on social media production.

0101	Josue Porras-Fernandez TuTh 12:30pm - 1:45pm	Seats (Total: 25) BPS 1238

COMM370 **Mediated Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM250. Restriction: Junior standing or higher.

Analysis and critique of structure, performance, content, effects, and future of mediated communication.

0101	Sahar Khamis	Seats (Total: 30)
	MW 5:00pm - 6:15pm	SKN 1115

COMM371 Communication and Digital Media

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Communication program.

A basic introduction to communication in the digital age. Through class lectures, assignments and projects, students will learn to effectively use new media for the purpose of strategic message creation and management used in the field of communication. Students will apply the basics of visual layout skills and the principles of visual design to create messages using words and images.

ESG1	Ilse Genovese	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	BLD3 3216
	Restricted to students in the Communication Program at USG.	

COMM372 Communication, Meaning, and Digital Media

Credits: 3 Grading Method: Regular

Restriction: Must be in Communication program.

An exploration of visual communication and meaning creation. A theoretical and practical application of communication concepts and techniques in the production of visual content.

ESG1	Adam Nixon	Seats (Total: 25)
	M 5:00pm - 7:30pm	BLD3 3216
	Restricted to students in the Communication Program at USG.	

COMM373 Communication and Digital Visual Narrative

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Communication program.

Examination of the traditional style of visual communication, its practices and theoretical underpinnings juxtaposed against contemporary digital media aesthetics and techniques. Utilizing a variety of communication skills and new media tools, students will plan, write, shoot, edit, and upload digital visual narratives.

Formerly COMM498K. Credit granted for COMM498K or COMM373.

ESG1	Adam Nixon Tu 3:30pm - 6:00pm	Seats (Total: 25) BLD3 3216
	Restricted to students in the Communication Program at USG.	

COMM382 **Essentials of Intercultural Communication**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | , D | General Education: DVCC

Credit only granted for: COMM382 or COMM482.

Introduction of major theories and concepts of intercultural communication; examination of processes that make up cultural differences; and use of intercultural communication competence skills.

0201	Tania Nachrin TuTh 3:30pm - 4:45pm	Seats (Total: 25) TLF 0103
0301	Tania Nachrin TuTh 5:00pm - 6:15pm	Seats (Total: 25) JMZ 0205
0401	Anita Seate MW 3:30pm - 4:45pm	Seats (Total: 30) TYD 1101
ESG1	Maggie Williams TuTh 11:00am - 12:15pm	Seats (Total: 30) BLD3 3226
	Restricted to students in the Communication Program at USG.	

COMM385 **Influence**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, SCIS

Credit only granted for: COMM385 or COMM498I (Spring 2014). Formerly: COMM498I (Spring 2014).

Explores contemporary theories of influence and their implications for communication practice. Topics include power and influence, logical theory, rhetorical theory, persuasion theory, framing theory, social influence theory, and propagation of influence in mediated social networks.

0101	Nick Joyce TuTh 3:30pm - 4:45pm	Seats (Total: 50) TWS 1310
ESG1	Soyoung Bae Class time/details on ELMs	Seats (Total: 30) ONLINE
	Restricted to students at Shady Grove.	

COMM386 **Experiential Learning**

(Perm req)

Credits: 3-6 | Grading Method: Regular, Pass-Fail | General Education: DSSP

Prerequisite: Permission of ARHU-Communication department. Restriction: Junior standing or higher; and must be in Communication program.

Supervised internship experience with communication professionals. Relation of academic training to professional experience.

0101	Julie Gowin Contact instructor or department for details.	Seats (Total: 75)
ESG1	Raimonda Nuredini Class time/details on ELMs *Restricted to students in the Communication Program at USG.*	Seats (Total: 20) ONLINE

COMM388 Communication Practicum

(Perm req)

Credits: 1-3 | Grading Method: Regular, Pass-Fail

Supervised professional-level practice in communication.

Contact department for information to register for this course.

COMM390 Health Communication

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: COMM390 or COMM398E. Formerly: COMM398E.

Designed to introduce students to the academic and practical fields of health communication. It blends theoretical concepts and practical concerns that impact upon health communication processes. To be specific, this course extensively covers influential theories and models of behavior change as well as cutting-edge research on health communication interventions or campaigns, exposing students to authoritative work done in both areas. Students in this class will also learn about the process of planning a comprehensive health communication campaign and have the opportunity to work in groups to develop their own campaign plans addressing an urgent health problem.

0101	Xiaoli Nan TuTh 11:00am - 12:15pm	Seats (Total: 30) TYD 0101

COMM398 Selected Topics in Communication

(Perm req)

Credits: 3 | Grading Method: Regular

Topical study of contemporary issues in communication.

Contact department for information to register for this course.

COMM398F Selected Topics in Communication; Web Graphics, Coding, and Site Design

Credits: 3 | Grading Method: Regular

Topical study of contemporary issues in communication.

Contact department for information to register for this course.

COMM398G **Selected Topics in Communication; Game Studies**

Credits: 3 Grading Method: Regular, Pass-Fail

Topical study of contemporary issues in communication.

Digital games are at the forefront of many cultural, economic, and technological shifts our society has undergone over the last few decades. This includes an explosion in the uses of "games" to do a range of things that have reframed what a game is or what a game does - be it the "gamification" of work, games as a medium for art, the reinvention of capitalist accumulation in media industries, or the rise of independent games. What even is a game? What can a game do? This course reviews concepts and issues foundational for "game studies" as a field of research in media and communication, and relates the traditions of this field with emerging interdisciplinary concerns that link games with education, rhetoric, political economy, and contemporary art.

0101	Grant Bollmer	Seats (Total: 30)
	MW 3:30pm - 4:45pm	LEF 1201

COMM398L **Selected Topics in Communication; Latina/o/x Communication Studies**

Credits: 3 Grading Method: Regular, Pass-Fail

Topical study of contemporary issues in communication.

This course explores relationships among culture, identity, and communication in Latin/e America. Specifically, it examines how communication scholars have studied the rhetorical, performative, and mediated dimensions of Latinidad, mestizaje, and citizenship vis- -vis intersecting colonial systems of race, class, gender, and sexuality. Special attention will be given to both the ways in which discourses of coloniality shape contemporary issues affecting identity, culture, and communication in Latin/x America, as well as to the critical efforts to decolonize intellectual and cultural practices in our communities.

0101	Raquel Moreira	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	SQH 1103

COMM398N **Selected Topics in Communication; Communication and Digital Imaging**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

ESG1	Ilse Genovese	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	BLD3 3216
	Restricted to students in the Communication Program at USG.	

COMM398Q **Selected Topics in Communication; Social Media Analytics**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

ESG1	Adam Nixon Th 5:00pm - 7:30pm *Restricted to students in the Communication Program at USG.*	Seats (Total: 30) BLD3 3226

COMM398Z **Selected Topics in Communication; Media Ethics and Cultural Citizenship**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

Contact department for information to register for this course.

COMM399 **Honors Thesis**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

6001	Yan Qu Contact instructor or department for details.	Seats (Total: 10)
6401	Rebecca Beets Contact instructor or department for details.	Seats (Total: 5)

COMM424 **Communication in Complex Organizations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Structure and function of communication within organizations: organizational climate and culture, information flow, networks and role relationships.

0101	Daniel Foster MWF 1:00pm - 1:50pm	Seats (Total: 30) PLS 1117

COMM425 **Negotiation and Conflict Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Role of communication in shaping negotiation and conflict processes and outcomes.

Restricted to COMM majors only.

0101	Lauren Edelstein TuTh 5:00pm - 6:15pm	Seats (Total: 30) ESJ 0215

COMM426 **Conflict Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: COMM425 and COMM250.

Role of communication in managing conflict processes.

This course is restricted to COMM majors only.

0101	Lauren Edelstein	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	ESJ 0215

COMM427 Crisis Communication

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Explores theories and research related to communication before, during, and after a crisis. Students examine the fundamentals of organizational communication, crisis management, and strategic and crisis communication planning before examining case studies of a number of real-life crises: organizational crises, natural disasters, accidents, terrorism incidents, health crises, and major crises of credibility.

ESG1	Jonathan Leach	Seats (Total: 30)
	MW 1:00pm - 2:15pm	BLD3 3226
	Restricted to students in the Communication Program at USG.	

COMM448C Special Topics in Public Relations; Public Relations and Corporate Social Responsibility

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Courses seek to examine historical and current communication management theories, literature and practices for the purposes of understanding the business environment in which public relations/communication management operates and applying the best of these theories and practices toward the management of the public relations/communications functions of an organization.

Restricted to students with Junior standing or higher. There is growing interest in business ethics and corporate social responsibility, but how a company can strategically be involved in CSR practices and communicate examine the following questions: What is CSR? What is the theoretical background relevant to CSR? What has previous research on CSR found? What are the dominant and/or ideal strategies and tactics for CSR? Without prescribing simple solutions, we will seek answers to these questions. The exploration is intended to be interactive, with the journey of exploration involving an analysis of CSR-related issues and case studies.

0101	Ganga Dhanesh	Seats (Total: 30)
	MW 3:30pm - 4:45pm	WDS 0104

COMM449A Special Topics in Digital Communication; Artificial Intelligence in the Digital Age

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Explores the topics that have arisen around computers, digital technologies, the internet, big data, surveillance capitalism, and network infrastructures.

Communication majors only. Holdfile available for non-majors. Step into the future where humans and machines converge! This course takes you on an exciting journey to explore how artificial intelligence (AI) reshapes the way we connect, communicate, and collaborate. From chatbots that mimic human conversations to algorithms that decide what news you see, we'll analyze the fascinating relationship between AI and human communication. Learn how AI is rewriting the rules of media, influencing interpersonal interactions, and redefining cultural and societal norms. Immerse yourself in AI-driven communication and gain skills you can apply immediately!

0101	Lamia Zia TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1103
ESG1	Lamia Zia MW 11:30am - 12:45pm *Restricted to students in the Communication Program at USG.*	Seats (Total: 30) BLD3 3216

COMM449B **Special Topics in Digital Communication; Communication and Social Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Explores the topics that have arisen around computers, digital technologies, the internet, big data, surveillance capitalism, and network infrastructures.

Restricted to Communication Majors. Are you eager to master the art of social media? Do you want to learn how to craft impactful narratives in our digitally connected world? Thiscomprehensive course dives into the dynamic realm of digital communication, with a special emphasis on social media. A dominant forcein modern society, social media has transformed personal, corporate, and global communication. The course explores its evolution, far-reaching impact, and emerging trends. Students will engage with practical applications and ethical considerations, learning how to develop compelling narratives, effectively engage users, and strategically convey messages. Social media's influence spans all sectors, from world leaders to businesses and individuals. By the end ofthis course, students will be equipped to create meaningful content and master the ever-evolving social media landscape.

0101	Lamia Zia TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 2111

COMM449F **Special Topics in Digital Communication; Media Campaign Message Design**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Explores the topics that have arisen around computers, digital technologies, the internet, big data, surveillance capitalism, and network infrastructures.

Restriction: Restricted to COMM majors only. In this project-based course, students will learn about media campaigns by topics and design campaigns using different media platforms.

0101	Soyoung Bae	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	VMH 1203

COMM449G **Special Topics in Digital Communication; Digital Media & Sports Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Explores the topics that have arisen around computers, digital technologies, the internet, big data, surveillance capitalism, and network infrastructures.

ESG1	Adam Nixon	Seats (Total: 25)
	W 5:00pm - 7:30pm	BLD3 3216
	Restricted to students in the Communication Program at USG.	

COMM449N **Special Topics in Digital Communication; Influencer Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Explores the topics that have arisen around computers, digital technologies, the internet, big data, surveillance capitalism, and network infrastructures.

Restriction: Must be in Communication program. Be they either renowned persona such as MrBeast, Emma Chamberlain, Ryan Kaji, and Jeffree Star, or those struggling to get attention online, thecentrality of influencers is unquestionable whenever we examine social media today. This course surveys both the history of the idea of "influence" as a cultural and communicative activity, as well as how social media transforms this legacy. Topics addressed will include: "conspicuous consumption," "opinion leaders," and "influentials" in twentieth-century marketing; the role of social media platforms in shaping attention and income; the increasing necessity of transforming one's identity into a personal "brand" to be consumed by others; fame and celebrity on social media; precarity, burnout, and exhaustion in thename of achieving fame; the production of image versus the "reality" behind social media celebrity.

0101	Grant Bollmer	Seats (Total: 30)
	MW 5:00pm - 6:15pm	WDS 0104

COMM456 **Freedom of Speech & the First Amendment**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: COMM498Y or COMM456. Formerly: COMM498Y.

Examines the U.S. Supreme Court's rulings on freedom of speech cases as grounded in the First Amendment to the U.S. Constitution. It also considers the political and ideological role of "freedom of speech" as a rhetoric organizing and ordering U.S. political culture.

0101	Jade Olson	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TYD 0101

COMM459C **Special Topics in Science Communication; Misinformation, Society, and Science Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

This seminar course is designed to help students learn a variety of topics of science communication.

Credit only granted for COMM459C or COMM459H (in Fall 2024). This course explores misinformation and its impact on science communication and public attitudes towards science. We will examine how misinformation spreads in our current media environment, how people form attitudes about science, why people believe misinformation and what it means to be misinformed, and the challenges of correcting misinformation especially for new or uncertain areas of science. We will draw on theory and current science examples such as vaccines, nuclear energy, artificial intelligence, and gene editing.

0101	Rebecca Beets	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TWS 0207

COMM469C **The Discourse of Social Movements; Climate Activism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Study of key social movements that have influenced American social and political life.

The climate crisis is the most profound threat to human life our species has ever encountered. How have the languages of global warming and climate change influenced our understanding of this existential crisis, and how have climate activists strategically leveraged rhetorical strategies to educate, advocate, and mobilize audiences to meet this challenge? This course explores the rhetoric of climate activism movements, along with the rhetoric of climate skepticism, from the 1960s to the present.

0101	Jade Olson	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	JMZ 0125

COMM475 **Persuasion**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Bases of persuasion, with emphasis on recent experimental developments in persuasion.

0101	Xiaoli Nan	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	VMH 1203

COMM476 **Language, Communication, and Action**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Communication major.

Communication as symbolic action through the study of communication ethics. Emerging ethical principles and decision-making in public discourse, interpersonal communication, organizational communication, public relations, health communication, and crisis communication.

Retricted to COMM majors only.

0101	Brooke Liu	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	WDS 1114

COMM483 **Senior Seminar in Public Relations**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM351; and 1 course from (COMM305, COMM306, COMM307, or COMM400). Additional information: Students who enrolled after Fall 2020 should not take COMM400 as a prerequisite.

Integration of theory, techniques and research methods into the planning and execution of public relations campaigns for specific organizations. Analysis of research on the case studies of public relations.

0101	Susan Simon	Seats (Total: 20)
	TuTh 9:30am - 10:45am	SYM 0209

COMM488I **Communication Portfolio Project; Strategic Interviewing for the Career You Want**

Credits: 1 Grading Method: Regular

Preparation of the professional communication portfolio.

This course introduces students to advanced techniques in interviewing for job opportunities and career progression. This online course focuses on the dynamics of the interview process, the communication theories and best practices behind influence and persuasion, and the communication aptitudes and skills that distinguish top candidates.

0101	Courtnee Connon	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

COMM489 **Topical Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Individualized research projects conducted with a faculty sponsor.

Contact department for information to register for this course.

COMM498H **Seminar; Rhetorics of the Body**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Present-day communication research.

Restricted to Departmental Honor Students. This course examines the rhetorical dimensions of bodies and the embodied dimensions of rhetoric. In exploring the relationship between the body and rhetoric, this course will focus especially on the ways that bodies communicate rhetorical messages, the impact of intersecting dynamics of identity and power (especially race, gender, sexuality, ability, and body size) on bodies within a given culture, the ways in which particular bodies are categorized into frameworks of good/bad, right/wrong, and normal/abnormal.

0101	Hailey Otis	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	SKN 3117

COMM498J **Seminar; Strategic Communication**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Present-day communication research.

This course presents a system of strategies that underlie communication. It is a practice-based framework with definitions, conditions, risks and rewards that inform the moves and motives of influence professionals. Through a series of interactive lectures, landmark writings, group exercises and classroom simulations, students will learn to decode, defend, apply and ethically manage the ever-present plays of dynamic, media-driven markets.

ESG1	Jonathan Leach	Seats (Total: 30)
	MW 2:30pm - 3:45pm	BLD3 3226
	Restricted to students in the Communication Program at USG.	

COMM498R **Seminar; Risk Communication**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Present-day communication research.

0101	Jiyoun Kim	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	SKN 2127

COMM631 **Seminar in Public Relations Publics**

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Credit only granted for: COMM631 or JOUR631. Formerly: JOUR631.

Analysis of public relations programs aimed at organizational publics. Media, issue-related, community, employee, governmental, consumer, financial, and student/educator publics. Theories of the nature of publics, communication behavior of publics, and effects of public relations programs aimed at different publics.

0101	Yan Qu	Seats (Total: 15)
	Tu 6:30pm - 9:30pm	SKN 2127

COMM686 **Teaching Communication**

Credits: 1 Grading Method: Regular, Audit

Formerly: SPCH686.

Principles of effective teaching--content and process--in the college communication classroom.

0101	Melissa Lucas	Seats (Total: 30)
	W 12:00pm - 1:00pm Class time/details on ELMs	SKN 3117 ONLINE
	Alternating face-to-face/online class meeting. Please see instructor fo details.	

COMM688 **Communication Field Experience**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Applications of communication principles and research in professional communication settings.

Contact department for information to register for this course.

COMM698 **Special Problems in Communication**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

COMM700 **Introduction to Graduate Study in Communication**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Communication (Doctoral) program. Formerly: SPCH700.

Basic skills in communication research.

0101	Sun Young Lee	Seats (Total: 30)
	M 3:30pm - 6:30pm	SKN 2127

COMM712 **Advanced Historical/Critical Methods in Communication Research**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Restriction: Permission of instructor.

Critical assessment of qualitative approaches to communication. Introduction to significant schools of historical and critical research. Advanced techniques for inquiry and manuscript preparation. Students must have dissertation research project requiring historical or critical method.

0101	Catherine Steele	Seats (Total: 15)
	Tu 3:30pm - 6:30pm	SKN 3118

COMM714 Introduction to Qualitative Methods in Communication Research

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Restriction: Permission of instructor.

Methods for field research in communication including interiewing, ethnographic and participant intervention, focus groups, and content analysis. Formulation of significant research questions, systematic collection of field data, formulating substantial claims from the research, organizing and writing research from disciplinary outlets.

0101	Nana Kwame Osei Fordjour	Seats (Total: 15)
	Tu 3:30pm - 6:30pm	SKN 2127

COMM738M Seminar in Mediated Communication; Media, Misinformation, and Public Opinion

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

The examination of special topics related to the study of mediated communication.

This course will examine misinformation in our evolving media environment across a range of science, health, and political contexts. We will draw on interdisciplinary research and theory to explore topics such as the factors that drive misinformation beliefs, the impacts and effects of misinformation on individuals and society, and current research-based and practical approaches for correcting misinformation.

0101	Rebecca Beets	Seats (Total: 15)
	Tu 6:30pm - 9:30pm	SKN 3118

COMM768R Seminar in Public Address; Rhetoric, History, and Memory

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

An in-depth study of national and international speakers and issues throughout the history of the spoken word. Emphasis will be placed upon the application of rhetorical principles to the analysis of world speakers and their speeches.

This seminar offers an exploration of the complex relationship between rhetoric, history, and memory. Students will learn about theories and methods for gathering, analyzing, and writing about historical and commemorative artifacts, including close textual analysis, archival research, and rhetorical fieldwork. This seminar will benefit students eager to conduct historical research as well as those seeking to better understand the historical contexts underpinning contemporary communication phenomena.

0101	Carly Woods	Seats (Total: 15)
	W 3:30pm - 6:30pm	SKN 2127

COMM798 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

An individual course designed for intensive study or research of problems in communication.

Contact department for information to register for this course.

COMM799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

COMM888 **Doctoral Practicum in Communication**

(Perm req)

Credits: 3-9 Grading Method: Regular, Audit

Analysis of professional activity through personal observation. Evaluation of the purpose, process, effectiveness, and efficiency of professional activity. Recommendations for training and further research.

Contact department for information to register for this course.

COMM889 **Doctoral Tutorial in Communication**

(Perm req)

Credits: 3-9 Grading Method: Regular, Audit

Individual research in communication.

Contact department for information to register for this course.

COMM898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

COMM899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

CPBE College Park Scholars-Business, Society, Entreprenrshp Fall 2025

CPBE100 **College Park Scholars: Business, Society & Entrepreneurship First-Year Colloquium**

Credits: 1 Grading Method: Regular

Restriction: Students must be matriculated into the College Park Scholars Business, Society & Entrepreneurship (CPBE) program.

Introductory colloquium: Examination of issues related to business, society and entrepreneurship.

0101	Oliver Schlake M 5:00pm - 6:15pm	Seats (Total: 95) ESJ 1202	

CPBE225 **Enterprise Communications**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSOC

Prerequisite: CPBE100. Restriction: Must be enrolled in College Park Scholars' Business, Society and Entrepreneurship (CPBE) program. Formerly: CPSP220.

Examines basic interpersonal communication processes within written and oral channels, with practical applications for the business environment.

0101	Ira Koretsky MW 11:00am - 12:15pm W 5:00pm - 6:50pm	Seats (Total: 38) VMH 1207 SQH 1120	 Lab
0102	Ira Koretsky MW 9:30am - 10:45am W 5:00pm - 6:50pm	Seats (Total: 38) VMH 1207 SQH 1120	 Lab

CPCV College Park Scholars-Civic Engagement for Social Good Fall 2025

CPCV100 **College Park Scholars: Civic Engagement for Social Good First-Year Colloquium I**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the College Park Scholars-Civic Engagement for Social Good (CPCV) program. Credit only granted for: BSCV181 or CPCV100. Formerly: BSCV181.

Introductory colloquium: Examination of issues related to civic engagement.

0101	Julie Randolph Tu 2:00pm - 3:15pm	Seats (Total: 40) CCC 1200	
0201	Julie Randolph Tu 3:30pm - 4:45pm	Seats (Total: 40) CCC 1200	

CPCV200 **College Park Scholars: Civic Engagement for Social Good Second-Year Colloquium I**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CPCV101. Restriction: Must be in the College Park Scholars-Civic Engagement for Social Good (CPCV) program.

Through substantive civic engagement work in local communities, in-person classes, and reflective practice, students will develop essential skills to collaborate with organizations and stakeholders in order to create meaningful change in their communities.

0101	Julie Randolph Tu 7:00pm - 7:50pm	Seats (Total: 35) CCC 1200
0201	Julie Randolph Tu 6:00pm - 6:50pm	Seats (Total: 35) CCC 1200

CPCV225 **Introduction to Civic Engagement for Social Good**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the College Park Scholars-Civic Engagement for Social Good (CPCV) program. Credit only granted for: BSCV191or CPCV225. Formerly: BSCV191.

Foundational concepts and principles of community engagement and social change.

0101	Korey Rothman MW 4:15pm - 5:30pm	Seats (Total: 75) ESJ 0215

CPDJ College Park Scholars-Data Justice Fall 2025

CPDJ100 **College Park Scholars: Data Justice First-Year Colloquium I**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in College Park Scholars Data Justice Program (CPDJ).

Colloquium I, the first course in the College Park Scholars Data Justice program curriculum, will introduce students to a wide range of information issue areas, with an overarching theme for them to consider opportunities to improve the world by making data less biased and more accessible. The deliverables are intended as low-risk opportunities to write or design in response to the topics, and to engage students every week in creating something in response to what they are learning.

0101	Andrew Fellows Th 3:30pm - 4:45pm	Seats (Total: 80) CCC 1205

CPET College Park Scholars-Environment, Technology & Economy — Fall 2025

CPET100 **College Park Scholars: Environment, Technology & Economy First-Year Colloquium I**

Credits: 1 Grading Method: Regular

Restriction: Students must be enrolled in the College Park Scholars Environment, Technology & Economy (CPET) program.

Introductory colloquium: Examination of issues related to the convergence of the environment, technology and the economy.

0101	Dani Moore, Tim Knight	Seats (Total: 90)
	Th 4:10pm - 5:30pm	CCC 1100

CPET200 **College Park Scholars: Environment, Technology & Economy Second-Year Colloquium**

Credits: 1 Grading Method: Regular

Prerequisite: CPET101. Restriction: Students must be enrolled in the College Park Scholars Environment, Technology & Economy (CPET) program.

Advanced colloquium: Continued examination of issues related to sustainable development.

0101	Tim Knight, Dani Moore	Seats (Total: 75)
	W 4:10pm - 5:30pm	CCC 1100

CPGH College Park Scholars-Global Public Health — Fall 2025

CPGH100 **College Park Scholars: Global Public Health First-Year Colloquium I**

Credits: 1 Grading Method: Regular

Restriction: Students must be enrolled in the College Park Scholars Global Public Health (CPGH) program.

Introductory colloquium: Examination of factors that determine the health status of populations around the world.

0101	John Wiggins, Angshuman Kashyap	Seats (Total: 96)
	M 5:00pm - 6:15pm	CCC 1205

CPGH200 **College Park Scholars: Global Public Health Second-Year Colloquium**

Credits: 1 Grading Method: Regular General Education: DSSP

Prerequisite: CPGH101. Restriction: Students must be enrolled in the College Park Scholars Global Public Health (CPGH) program.

Building on knowledge and skills gained from the first-year colloquia, students will develop public health interventions that address a public health issue of a particular community.

0101	Angshuman Kashyap, John Wiggins	Seats (Total: 95)
	W 2:00pm - 3:15pm	CCC 1100

CPJT College Park Scholars-Justice and Legal Thought Fall 2025

CPJT100 **College Park Scholars: Justice & Legal Thought: First-Year Colloquium**

Credits: 1 Grading Method: Regular

Restriction: Students must be enrolled in the College Park Scholars Justice & Legal Thought (CPJT) program.

Students will gain an experiential understanding of law and justice by investigating concepts and frameworks of justice and apply them to real-world experience.

0101	Justine DeCamillis	Seats (Total: 75)
	W 5:00pm - 6:15pm	CCC 1205

CPJT200 **Justice and legal Thought Second Year Colloquium**

Credits: 1 Grading Method: Regular

Restriction: Students must be enrolled in the College Park Scholars Justice and Legal Thought (CPJT) program. Additional information: When combined with the first year CPJT colloquia, students will learn how to research issues discussed and debated throughout year one.

Advanced colloquium for second year students related to research skill development

0101	Justine DeCamillis	Seats (Total: 75)
	Tu 5:00pm - 6:15pm	CCC 1205

CPMS College Park Scholars-Media, Self and Society Fall 2025

CPMS100 **College Park Scholars: Media, Self & Society First-Year Colloquium I**

Credits: 1 Grading Method: Regular

Restriction: Students must be enrolled in the College Park Scholars Media, Self & Society (CPMS) program.

Introductory colloquium: Examination of issues related to the media.

0101	Alison Burns, Carole Lee	Seats (Total: 75)
	M 2:00pm - 3:00pm	CCC 1205

CPMS225 **Analyzing Media Practice through Theory**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

Prerequisite: CPMS100. Restriction: Must be in the Scholars Media, Self & Society Program. Formerly: CPSP222.

Media analysis investigating patterns of ownership, the working of media organizations, patterns of coverage and the nature of audiences.

0101	Alison Burns	Seats (Total: 75)
	TuTh 12:30pm - 1:45pm	CCC 1205

CPMS230 **College Park Scholars: Media, Self & Society - Internship Practicum**

Credits: 1-3 | Grading Method: Regular

Prerequisite: CPMS101. Restriction: Students must be enrolled in the College Park Scholars Media, Self & Society (CPMS) program.

Supervised internship project in an area related to media, self and society.

0101	Alison Burns	Seats (Total: 30)
	Contact instructor or department for details.	

CPMS240 **College Park Scholars: Media, Self & Society - Service-Learning Practicum**

Credits: 1-3 | Grading Method: Regular, Pass-Fail

Prerequisite: CPMS101. Restriction: Students must be enrolled in the College Park Scholars Media, Self & Society (CPMS) program.

Supervised Service-Learning project in an area related to media, self and society.

0101	Alison Burns, Carole Lee	Seats (Total: 20)
	Contact instructor or department for details.	

CPPL College Park Scholars-Public Leadership Fall 2025

CPPL100 **College Park Scholars: Public Leadership First-Year Colloquium I**

Credits: 1 | Grading Method: Regular | General Education: DVCC

Restriction: Students must be enrolled in the College Park Scholars Public Leadership (CPPL) program.

Introductory colloquium: Examination of issues related to public leadership.

0101	Saher Randhawa	Seats (Total: 75)
	W 4:00pm - 5:15pm	ESJ 1224

CPPL200 **College Park Scholars: Public Leadership - Applied Leadership Capstone I**

Credits: 1 Grading Method: Regular

Prerequisite: CPPL101. Restriction: Students must be enrolled in the College Park Scholars Public Leadership (CPPL) program.

Planning and initiation of team, community-based-learning projects.

Alternating face-to-face/online meeting. See instructor for details.

0101	Kelly Brower, Susannah Washburn	Seats (Total: 75)
	Th 4:00pm - 5:15pm	PLS 1130

CPSA College Park Scholars-Arts Fall 2025

CPSA100 College Park Scholars: Arts First-Year Colloquium I

Credits: 1 Grading Method: Regular

Restriction: Students must be matriculated into the College Park Scholars Arts (CPSA) program.

Introductory colloquium: Aesthetic, intellectual and personal examination of the arts.

0101	Heather-Erin Bremenstuhl, Harold Burgess, Irene Park	Seats (Total: 75)
	M 5:30pm - 6:45pm	CCC 1100

CPSA149 College Park Scholars: Arts Service-Learning Outreach

Credits: 2 Grading Method: Regular

Service-Learning outreach to Prince George's County schools and non-profit agencies.

0101	Harold Burgess	Seats (Total: 10)
	Th 5:00pm - 7:00pm	Location: TBA

CPSA200 College Park Scholars: Arts Second-Year Colloquium I

Credits: 1 Grading Method: Regular

Prerequisite: CPSA101. Restriction: Students must be matriculated into the College Park Scholars Arts (CPSA) program. Additional information: When paired with successful completion of CPSA 240, 250 or 260, students will earn General Education Scholarship-in-Practice credit.

Advanced colloquium I: Examination of the arts in society; and preparation for "Scholarship-in-Practice" project.

0101	Heather-Erin Bremenstuhl, Harold Burgess	Seats (Total: 75)
	Tu 5:30pm - 6:45pm	CCC 1100

CPSF College Park Scholars-Life Sciences Fall 2025

CPSF100 **College Park Scholars: Life Sciences First-Year Colloquium I**

Credits: 1 Grading Method: Regular

Restriction: Students must be enrolled in the College Park Scholars Life Sciences (CPSF) program.

Introductory colloquium: Examination of issues related to the life sciences.

0101	Nicholas Fletcher	Seats (Total: 85)
	W 3:30pm - 5:00pm	ESJ 1202

CPSF200 **College Park Scholars: Life Sciences Second-Year Colloquium**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CPSF101. Restriction: Must be in the College Park Scholars Life Sciences program. Credit only granted for: CPSF200 or CPSP218L. Formerly: CPSP218L.

This course is the final of a three-semester sequence within the College Park Scholars- Life Sciences Program. In the first semester, our content focused on community; we built community as a program of unique individuals to create a common identity and discussed the ways in which the science community exists. The second semester allowed us to explore the life sciences through our lenses of curiosity; we asked big questions and moved toward big answers. This semester is focused on engagement. We will take time to be fully present in the life sciences community and learn why it is important to gain practical knowledge and experiences to further the goals and aims of science.

0101	Nicholas Fletcher	Seats (Total: 75)
	W 3:30pm - 5:00pm	Location: TBA

CPSG College Park Scholars-Science and Global Change Fall 2025

CPSG100 **College Park Scholars: Science & Global Change First-Year Colloquium I**

Credits: 1 Grading Method: Regular

Restriction: Students must be enrolled in the College Park Scholars Science & Global Change (CPSG) program.

Introductory colloquium: Examination of issues related to science and global change.

0101	John Merck, Thomas Holtz	Seats (Total: 78)
	Tu 3:30pm - 4:50pm	CCC 1205

CPSG200 **College Park Scholars: Science & Global Change Second-Year Colloquium**

Credits: 1 Grading Method: Regular

Prerequisite: CPSG101. Restriction: Students must be enrolled in the College Park Scholars Science & Global Change (CPSG) program.

Advanced colloquium: Continued examination of issues related to science and global change.

0101	Thomas Holtz, John Merck	Seats (Total: 75)
	M 3:30pm - 4:50pm	CCC 1205

CPSN College Park Scholars-International Studies Fall 2025

CPSN100 College Park Scholars: International Studies First-Year Colloquium I

Credits: 1 Grading Method: Regular

Restriction: Students must be enrolled in the College Park Scholars International Studies (CPSN) program.

Introductory colloquium: Examination of issues related to international studies.

0101	Stacy Kosko, Seo Chung, Hansol Kwak	Seats (Total: 75)
	W 3:00pm - 4:15pm	CCC 1205

CPSN230 College Park Scholars: International Studies - Internship Practicum

Credits: 1-3 Grading Method: Regular

Prerequisite: CPSN101. Restriction: Students must be enrolled in the College Park Scholars International Studies (CPSN) program.

Supervised internship project in an area related to international studies.

0101	Sarah Kilmer	Seats (Total: 20)
	Contact instructor or department for details.	

CPSN240 College Park Scholars: International Studies - Service-Learning Practicum

Credits: 1-3 Grading Method: Regular, Pass-Fail

Prerequisite: CPSN101. Restriction: Students must be enrolled in the College Park Scholars International Studies (CPSN) program.

Supervised Service-Learning project in an area related to international studies.

0101	Sarah Kilmer	Seats (Total: 10)
	Contact instructor or department for details.	

CPSN250 College Park Scholars: International Studies - Research Practicum

Credits: 1-3 Grading Method: Regular, Pass-Fail

Prerequisite: CPSN101. Restriction: Students must be enrolled in the College Park Scholars International Studies (CPSN) program.

Supervised research in an area related to international studies.

0101	Sarah Kilmer	Seats (Total: 5)
	Contact instructor or department for details.	

CPSP College Park Scholars Program Fall 2025

CPSP218B **College Park Scholars Second-Year Colloquium I**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Colloquium for specific College Park Scholars Program.

0101	Oliver Schlake	Seats (Total: 75)
	M 6:30pm - 7:45pm	ESJ 1202

CPSP218I **College Park Scholars Second-Year Colloquium I**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Colloquium for specific College Park Scholars Program.

0101	Andrew Fellows	Seats (Total: 48)
	W 5:00pm - 6:15pm	IRB 1207

CPSP218J **College Park Scholars Second-Year Colloquium I**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Colloquium for specific College Park Scholars Program.

0101	Alison Burns	Seats (Total: 75)
	Tu 3:30pm - 4:30pm	ESJ 1202

CPSP218N **College Park Scholars Second-Year Colloquium I**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Colloquium for specific College Park Scholars Program.

0101	Stacy Kosko	Seats (Total: 75)
	Tu 3:30pm - 4:45pm	CCC 1100

CPSP220 **Where the Waters Blend: Contemporary Indigenous Perspectives on History, Traditions, and Modern Issues**

Credits: 3 Grading Method: Regular General Education: DSHS, DVCC

Cross-listed with: HNUH258Q. Credit only granted for: HNUH268W, HNUH258Q or CPSP220. Formerly: HNUH268W.

In this unique cultural and personal learning experience, students will explore the history, traditions, and contemporary issues faced by Maryland's Indigenous people, particularly the Piscataway. The course emphasizes the interconnectedness of culture and environment, highlighting how Indigenous Ecological Knowledges shape our understanding of biodiversity and interconnected life. The experiential work of the course asks students to consider how the past matters, particularly when it is embodied in the land they live on, and their present obligations to it. On-campus and place-based learning focuses on the impacts of colonization on the Piscataway - cultural suppression, land displacement, and their effects today - and fosters students' capacity to challenge paradigms that marginalize Indigenous people in our region, nation, and world. Students will emerge with a greater understanding of Maryland's land, the critical role of biodiversity, and the resilience of the Piscataway culture.

0101	Tiara Thomas W 5:30pm - 8:00pm	Seats (Total: 20) YDH 0104F

CPSP239 **Practicum: Internship**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

Contact department for information to register for this course.

CPSP239A **Practicum: Internship**

Credits: 1-3 Grading Method: Regular

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

0101	Heather-Erin Bremenstuhl, Harold Burgess, Irene Park Contact instructor or department for details.	Seats (Total: 10)

CPSP259A **Practicum: Research**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised research project in interest area related to the students' College Park Scholars program.

Contact department for information to register for this course.

CPSP259J **Practicum: Research; Media, Self, and Society**

Credits: 1-2 Grading Method: Regular

Supervised research project in interest area related to the students' College Park Scholars program.

Restricted to students in College Park Scholars Media, Self, and Society Program

Contact department for information to register for this course.

CPSP269 **Practicum: Peer Teaching**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Supervised peer teaching in students' College Park Scholars program.

Contact department for information to register for this course.

CPSP269B **Practicum: Peer Teaching**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Supervised peer teaching in students' College Park Scholars program.

Contact department for information to register for this course.

CPSP269C **Practicum: Peer Teaching**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Supervised peer teaching in students' College Park Scholars program.

0101	Julie Randolph, Korey Rothman	Seats (Total: 5)
	Contact instructor or department for details.	

CPSP269E **Practicum: Peer Teaching**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Supervised peer teaching in students' College Park Scholars program.

Contact department for information to register for this course.

CPSP269F **Practicum: Peer Teaching**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Supervised peer teaching in students' College Park Scholars program.

Contact department for information to register for this course.

CPSP269I **Practicum: Peer Teaching**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised peer teaching in students' College Park Scholars program.

Contact department for information to register for this course.

CPSP269J **Practicum: Peer Teaching**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised peer teaching in students' College Park Scholars program.

Contact department for information to register for this course.

CPSP269N **Practicum: Peer Teaching**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised peer teaching in students' College Park Scholars program.

Contact department for information to register for this course.

CPSP339J **Advanced Practicum: Internship; Media, Self and Society**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Independent study designed for students who wish to extend in greater depth and detail projects begun in sophomore year. Subject varies. Overseen by faculty director or mentor.

Contact department for information to register for this course.

CPSP339P **Advanced Practicum: Internship**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Independent study designed for students who wish to extend in greater depth and detail projects begun in sophomore year. Subject varies. Overseen by faculty director or mentor.

0101	Susannah Washburn	Seats (Total: 10)
	Contact instructor or department for details.	

CPSP369A **Advanced Practicum: Peer Teaching; Arts**

Credits: 1-3 Grading Method: Regular

Supervised advanced practicum in peer instruction.

Contact department for information to register for this course.

CPSP369E **Advanced Practicum: Peer Teaching**

Credits: 2 Grading Method: Regular

Supervised advanced practicum in peer instruction.

Contact department for information to register for this course.

CPSP369G **Advanced Practicum: Peer Teaching**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised advanced practicum in peer instruction.

Contact department for information to register for this course.

CPSP369J **Advanced Practicum: Peer Teaching**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised advanced practicum in peer instruction.

Contact department for information to register for this course.

CPSP369N **Advanced Practicum: Peer Teaching; International Studies**

Credits: 1-3 Grading Method: Regular

Supervised advanced practicum in peer instruction.

Contact department for information to register for this course.

CPSP369P **Advanced Practicum: Peer Teaching; Public Leadership**

Credits: 1-3 Grading Method: Regular

Supervised advanced practicum in peer instruction.

Contact department for information to register for this course.

CPSP369T **Advanced Practicum: Peer Teaching; Science, Technology, and Society**

(Perm req)

Credits: 1-3 Grading Method: Regular

Supervised advanced practicum in peer instruction.

Contact department for information to register for this course.

CPSS College Park Scholars-Science, Technology and Society Fall 2025

CPSS100 **College Park Scholars: Science, Technology & Society First-Year Colloquium I**

Credits: 2 Grading Method: Regular

Restriction: Students must be enrolled in the College Park Scholars Science, Technology & Society (CPSS) program.

Introductory colloquium: Examination of issues related to science, technology and society.

0101	Christine Alexander, David Tomblin	Seats (Total: 88)
	M 3:15pm - 4:55pm	CCC 1100

CPSS220 **The Future of Communicating Science**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DVCC

Restriction: Must be in the College Park Scholars Science, Technology or Society program or have permission of the program.

How can scientists communicate their work effectively? The field of science communication ventures that the answer is not simply a matter of improving capacity (e.g., because people lack scientific information, scientists lack communication skills, or both). Rather, it calls for sustained collaboration and empathy between laypersons and experts. In this hands-on, experiential course, we use a model of cultural competency to put forth solutions to bridge the expert-lay divide. We investigate typical venues in which science is communicated (museums, YouTube videos, federal agency websites, and much much more) and study best practices for communication. Then we explore emerging venues that support sustained contact between so-called "lay citizens" and scientific or technical experts (dance/improv techniques, ethnographic methods and citizen science). Students learn to use cross-cultural perspectives as a basis to pilot and test ways of strengthening relationships and improving communication.

0101	Nicole Mogul	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CBD 1140

CPSS225 **College Park Scholars Capstone: Science, Technology, and Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

Prerequisite: CPSS100. Restriction: Must be in the College Park Scholars Science, Technology & Society (CPSS) program. Formerly: CPSP227.

Exploration and understanding of ways science and technology shape and are shaped by society.

0101	Roan Parrish	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CCC 1105

CPSS240 **College Park Scholars: Science, Technology & Society - Service-Learning Practicum**

Credits: 3 | Grading Method: Regular | General Education: DSSP, SCIS

Restriction: Matriculation into the College Park Scholars Science, Technology & Society (CPSS) program; or permission of instructor.

Supervised Service-Learning practicum in issues related to science, technology and society.

Most of the class times will be spent at area Prince George's schools with partnering robotics teams. Consult the class requirements and locations provided in the syllabus at the beginning of the class. This course requires a $61 background check fee for working in Prince Georges County K-12 schools. As per PGCPS volunteer requirements, students must be 18 or older to participate in this course.

0101	Timothy Reedy	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	CCC 1105

CPSS340 **College Park Scholars: Infrastructure and Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Restriction: Must be currently enrolled in a College Park Scholars program. Credit only granted for: CPSP349T or CPSS340. Formerly: CPSP349T.

One of the most important, and underappreciated, aspects of our society is its infrastructure (roads, buildings, communication systems, water delivery systems, sanitation systems, energy systems, etc.). We often take for granted the services infrastructure bring us. As a consequence, the United States, which at one time was a world leader in creating infrastructure, is experiencing an infrastructure crisis. Furthermore, not everyone experiences this issue equally. This course is designed to identify the root causes of the crisis. You will explore emerging social, political, legal, cultural, and social justice issues associated with the building and maintenance of infrastructure from the perspective of Science and Technology Studies (STS) and engineers. You will work with a volunteer corps of professional engineers from a variety of disciplines on a service-learning project designed to assess the safety and vitality of infrastructure.

0101	David Tomblin TuTh 2:00pm - 3:15pm	Seats (Total: 20) CBD 1140

CRLN Carillon Communities Fall 2025

CRLN101 The Carillon Studio: Creative Problem Solving and Designing Your Maryland Experience

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Carillon Communities Program. Credit only granted for: IDEA101 or CRLN101. Formerly: IDEA101.

Students learn creative problem solving and collaborative strategies that will drive academic success and empower students to tackle big questions.

All sections will meet together on the follwing days from 6-7:15pm (location TBD); Wednesay, September 3 and 10; Friday, December 5.

0101	Melissa Del Rios W 4:00pm - 5:15pm	Seats (Total: 25) ESJ B0320
0102	Miriam Fraga W 4:00pm - 5:15pm	Seats (Total: 25) ESJ B0322
0103	Jennifer Cox W 4:00pm - 5:15pm	Seats (Total: 25) TWS 0201
0104	Tami Smith W 4:00pm - 5:15pm	Seats (Total: 25) TWS 0207
0105	Tierra Collins Tu 4:00pm - 5:15pm	Seats (Total: 25) TWS 0221

0106	Mitch Woolley Tu 4:00pm - 5:15pm	Seats (Total: 25) LEF 1220	
0107	Nick Ocasio Tu 4:00pm - 5:15pm	Seats (Total: 25) JMZ 2122	
0108	Camila Siqueira Paranhos Velloso Tu 4:00pm - 5:15pm	Seats (Total: 25) TYD 1114	

DANC Dance Fall 2025

DANC109 **Choreography I: Improvisation**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An introduction to the process of spontaneous movement discovery involving solo and group movement experiences.

Prerequisite: by permission of department. Students must pay a $25.00 lab fee.

5501	Breeanah Breeden TuTh 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 15) PAC 1912 ONLINE	 Lab Lab

DANC119 **Introduction to American Social Dance**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Social dance forms of North America.

Students must pay a $25 lab fee. This course explores American social dance as a powerful expression of gathering, celebration, joy, protest, communication, artistry, and embodied cultural history. Through movement practice, students will examine how social dance serves as a practice, students will examine how social dance serves as a living archive of identity, resistance, and community.

5501	Jalen Rose TuTh 3:30pm - 4:45pm Class time/details on ELMs	Seats (Total: 15) PAC 1908 ONLINE	 Lab Lab

DANC128 **Fundamentals of Ballet**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Introduction to ballet technique and terminology for the beginning student.

Students must pay a $25 lab fee.

5501	Angela Smith	Seats (Total: 15)		
	TuTh 12:30pm - 1:45pm Class time/details on ELMs	PAC 1908 ONLINE	Lab Lab	

DANC138P **Global Dance Forms; Hip-Hop**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit , D

Movement course. Traditional dances and music of selected cultures.

Students must pay a $25 lab fee.

5501	Ama Law	Seats (Total: 15)		
	MW 3:00pm - 4:15pm Class time/details on ELMs	PAC 3736 ONLINE	Lab Lab	

DANC148 **Fundamentals of Modern Dance**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Introduction to modern dance with emphasis on the development of fundamental movement skills.

5501	Connor Voss	Seats (Total: 15)		
	TuTh 12:30pm - 1:45pm Class time/details on ELMs	PAC 1912 ONLINE	Lab Lab	

DANC158 **Fundamentals of Jazz**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Introduction to the jazz style in dance for the beginning student.

Students must pay a $25 lab fee.

5501	Kevin Carroll	Seats (Total: 15)		
	MW 3:00pm - 4:15pm Class time/details on ELMs	PAC 1912 ONLINE	Lab Lab	

DANC179 **Movement Integration**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Conditioning and re-patterning techniques for achieving integrated movement.

Students must pay a $25.00 lab fee.

5501	Connor Voss	Seats (Total: 20)	
	TuTh 2:00pm - 3:15pm	PAC 1912	Lab
	Class time/details on ELMs	ONLINE	Lab

DANC200 **Introduction to Dance**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA, D | General Education: DSSP

A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms.

0201	Emilia Bruno	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	ATL 1106
0301	Lins Derry	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	ATL 1106
0401	Jamie Chen	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	ATL 1106
FC01	Susan Miller	Seats (Total: 25)
	TuTh 3:00pm - 4:15pm	PAC 1809
	Restricted to students in Freshmen Connection.	

DANC218 **Modern Dance I**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Development of heightened body awareness, breath support, dynamic alignment, and spatial awareness. Focus on rhythmic clarity and musicality.

Prerequisite: permission of department. Students must pay a $25.00 lab fee.

5501	Alvin Mayes, Adriane Fang	Seats (Total: 17)	
	MWF 1:00pm - 2:30pm	PAC 1912	Lab
	Class time/details on ELMs	ONLINE	Lab

DANC219 **Modern Dance II**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Continuation of the elements addressed in DANC218 with an added focus on momentum, the use of counter-tension, stability/mobility, suspension, and dynamic range.

Prerequisite: DANC218 and permission of department. Students must pay a $25.00 lab fee.

5501	Adriane Fang, Alvin Mayes	Seats (Total: 10)	
	MWF 1:00pm - 2:30pm	PAC 1912	Lab

DANC228 **Ballet I**

(Perm req)

Credits: 2

Grading Method: Regular, Pass-Fail, Audit

Barre and center work for alignment, strength, flexibility and coordination. Introduction to ballet terminology.

Students must pay a $25.00 lab fee. Email Susan Miller at smille13@umd.edu for permission to register.

5501	Angela Smith	Seats (Total: 10)	
	TuTh 2:00pm - 3:15pm	PAC 1908	Lab
	Class time/details on ELMs	ONLINE	Lab

DANC229 **Ballet II**

(Perm req)

Credits: 2

Grading Method: Regular, Pass-Fail, Audit

Continuation of DANC228.

Students must pay a $25.00 lab fee. Email Susan Miller at smille13@umd.edu for permission to register.

5501	Angela Smith	Seats (Total: 10)	
	TuTh 2:00pm - 3:15pm	PAC 1908	Lab
	Class time/details on ELMs	ONLINE	Lab

DANC304 **Dance Education I: Foundations**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ARHU-Dance department.

Organization and content of the studio dance class. Structuring developmentally appropriate dance experiences for students ages 3-18.

0101	Crystal Davis	Seats (Total: 15)	
	TuTh 1:30pm - 2:45pm	PAC 3730	

DANC309 **Choreography III: Dance Composition**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Exploration of the structural elements of dance composition.

5501	Alvin Mayes	Seats (Total: 17)	
	MW 3:00pm - 4:45pm	PAC 1611	Lab
	Class time/details on ELMs	ONLINE	Lab

DANC318 **Modern Dance III**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Continuation of the elements addressed in DANC219 with an added focus on off-verticality, spirals, complex level changes, more complex and extended phrasing, responsiveness to accompaniment, vocalization.

Prerequisite: DANC219 and permission of department. Students must pay a $25.00 lab fee.

5501	Adriane Fang, Ama Law	Seats (Total: 11)	
	MWF 9:00am - 10:30am	PAC 1912	Lab
	Class time/details on ELMs	ONLINE	Lab

DANC319 **Modern Dance IV**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Continuation of the elements addressed in DANC318 with an added focus on movement subtlety and complexity, and stylistic demands.

Prerequisite: DANC318 and permission of department. Students must pay a $25.00 lab fee.

5501	Ama Law, Adriane Fang	Seats (Total: 14)	
	MWF 9:00am - 10:30am	PAC 1912	Lab
	Class time/details on ELMs	ONLINE	Lab

DANC328 **Ballet III**

(Perm req)

Credits: 2

Grading Method: Regular, Pass-Fail, Audit

Execution of the vocabulary of ballet movement with technical accuracy.

Students must pay a $25 lab fee. Email Susan Miller at smille13@umd.edu for permission to register.

5501	Zoe Walders	Seats (Total: 10)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab
	Class time/details on ELMs	ONLINE	Lab

DANC329 **Ballet IV**

(Perm req)

Credits: 2

Grading Method: Regular, Pass-Fail, Audit

Continuation of DANC328.

Students must pay a $25 lab fee. Email Susan Miller at smille13@umd.edu for permission to register.

5501	Zoe Walders	Seats (Total: 10)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab
	Class time/details on ELMs	ONLINE	Lab

DANC386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher; and permission of ARHU-School of Theatre, Dance & Performance Studies department.

Contact department for information to register for this course.

DANC398 **Directed Studies in Dance**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

DANC399 **Practicum in Choreography, Production and Performance III**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Continuation of DANC299.

Prerequisite: DANC 299.

0101	Instructor: TBA	Seats (Total: 5)	
	Class time/details on ELMs	ONLINE	
0201	Sara Pearson	Seats (Total: 5)	
	Class time/details on ELMs	ONLINE	
0301	Maura Keefe	Seats (Total: 5)	
	Class time/details on ELMs	ONLINE	
0401	Alvin Mayes	Seats (Total: 5)	
	Class time/details on ELMs	ONLINE	
0501	Instructor: TBA	Seats (Total: 15)	
	Class time/details on ELMs	ONLINE	
0601	Kendra Portier	Seats (Total: 5)	
	Class time/details on ELMs	ONLINE	Lab

0701	Crystal Davis	Seats (Total: 5)	
	Class time/details on ELMs	ONLINE	
0801	Instructor: TBA	Seats (Total: 5)	
	Class time/details on ELMs	ONLINE	
0901	Instructor: TBA	Seats (Total: 5)	
	Class time/details on ELMs	ONLINE	Lab
1001	Adriane Fang	Seats (Total: 15)	
	Class time/details on ELMs	ONLINE	

DANC448 **Modern Dance V**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Complex phrases of modern dance movement with emphasis on articulation and expression.

Prerequisite: DANC349 and aududition. Students must pay a $25.00 lab fee.

5501	Ama Law, Adriane Fang	Seats (Total: 10)	
	MWF 9:00am - 10:30am	PAC 1908	Lab
	Class time/details on ELMs	ONLINE	Lab

DANC449 **Modern Dance VI**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Continuation of DANC448.

Prerequisite: DANC 448 and permission from the department Students must pay a $25.00 lab fee.

5501	Adriane Fang, Ama Law	Seats (Total: 5)	
	MWF 9:00am - 10:30am	PAC 1908	Lab
	Class time/details on ELMs	ONLINE	Lab

DANC468 **Dance Repertory**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Form, content, music, design and performance of modern dance works.

5501	Alvin Mayes, Lins Derry	Seats (Total: 10)	
	MW 11:00am - 12:50pm	PAC 1912	Lab
	Class time/details on ELMs	ONLINE	Lab

DANC479 **Advanced Practicum in Dance**

(Perm req)

Credits: 2

Grading Method: Regular, Pass-Fail, Audit

Advanced level performing experience for the student dancer who has developed an advanced professional level of competence.

Designed to mirror professional rehearsal and performance processes, the course focuses on the physical and artistic demands of touring professional dance work. This semester centers on Turn, Turning, Turnt by acclaimed choreographer Cynthia Oliver-a triptych of three dynamic works that challenge dancers cardiovascularly, musically, and performatively. Under the direction of faculty member Kendra Portier, who also performs in the work, students will engage in repertory rehearsals, receive targeted physical training, and learn choreography for all three pieces. The course emphasizes the stamina, precision, and artistry required for professional dance practice in preparation for premiere and touring performances.

0601	Kendra Portier W 3:00pm - 5:30pm	Seats (Total: 10) PKT 2102

DANC499 **Practicum in Choreography, Production and Performance IV**

(Perm req)

Credits: 1-6

Grading Method: Regular, Pass-Fail, Audit

Advanced workshop in dance presentation, including performing, production and planned field experiences.

Prerequisite: DANC 399.

0101	Patrik Widrig Class time/details on ELMs	Seats (Total: 5) ONLINE
0201	Sara Pearson Class time/details on ELMs	Seats (Total: 5) ONLINE
0301	Maura Keefe Class time/details on ELMs	Seats (Total: 5) ONLINE
0401	Alvin Mayes Class time/details on ELMs	Seats (Total: 5) ONLINE
0501	Instructor: TBA Class time/details on ELMs	Seats (Total: 15) ONLINE
0601	Kendra Portier Class time/details on ELMs	Seats (Total: 5) ONLINE

0701	Crystal Davis Class time/details on ELMs	Seats (Total: 5) ONLINE
0801	Instructor: TBA Class time/details on ELMs	Seats (Total: 5) ONLINE
0901	Instructor: TBA Class time/details on ELMs	Seats (Total: 5) ONLINE
1001	Adriane Fang Class time/details on ELMs	Seats (Total: 15) ONLINE

DANC600 **Graduate Dance Research**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.

Supervised writing of reports and articles on selected dance subjects. Study of library resources and interviewing techniques. Preparation for written documentation of thesis project.

0101	Maura Keefe W 2:00pm - 4:30pm	Seats (Total: 5) PAC 1924

DANC604 **Graduate Studies in Dance Pedagogy**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department.

Curriculum writing, lesson planning, class structure, assessment/grading, and practice in dance pedagogy. Includes preparation of syllabi and studio teaching practice. This course counts towards teaching ceritification in the State of Maryland.

Students must pay a $25 lab fee.

5501	Crystal Davis Tu 3:00pm - 4:15pm Th 3:00pm - 4:45pm	Seats (Total: 5) PAC 3730 PAC 1924	 Lab

DANC608 **Graduate Choreography I: Creative Process**

Credits: 3 Grading Method: Regular, Audit

Developing and defining individual choreographic voice and vision in a shared studio setting.

Prerequisite: Admission to MFA in Dance or permission of department. Students must pay a $25.00 lab fee. Developing and defining individual choreographic voice and vision in a s ared studio setting.

5501	Kendra Portier	Seats (Total: 5)	
	MW 11:00am - 12:50pm	PAC 1908	Lab
	Class time/details on ELMs	ONLINE	Lab

DANC610 **Workshop in the Direction of Dance Production**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Prerequisite: DANC410; or students who have taken courses with comparable content may contact the department.

A lecture/laboratory course dealing with the relationship of the director to all of the activities involved in the presentation of a dance concert.

0101	Samuel Crawford, Kendra Portier	Seats (Total: 5)	
	M 1:30pm - 2:45pm	PAC 2804	

DANC648 **Advanced Modern Dance Technique I**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Professional level training in contemporary dance techniques.

Students must pay a $25 lab fee.

5501	Ama Law, Adriane Fang	Seats (Total: 10)	
	MWF 9:00am - 10:30am	PAC 1908	Lab

DANC649 **Advanced Modern Dance Technique II**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

A continuation of DANC 648.

Students must pay a $25 lab fee.

5501	Ama Law, Adriane Fang	Seats (Total: 5)	
	MWF 9:00am - 10:30am	PAC 1908	Lab

DANC678 **Individual Movement Practice**

(Perm req)

Credits: 2 Grading Method: Regular

Students in consultation with the adviser, propose a specific movement practice and can select the practice from the range of technique offerings in the program. Additional work in documenting and providing evidence of growth towards individual outcomes is required.

Contact department for information to register for this course.

DANC679 **Graduate Dance Performance**

Credits: 1 Grading Method: Regular, Audit

An advanced performance course focusing on the restagings from noted scores of the choreographic works of significant artists in the field.

Contact department for information to register for this course.

DANC689L **Special Topics in Dance; Film as Performance**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Special Topics in dance theory, research or creative projects.

Alternating between lecture & creative research on Week A and creative laboratories on Week B. Students must pay a $25 lab fee. A dynamic incubator for performing artists who crave new ways of seeing, making, and understanding their voice via cinema and beyond. Moving beyond conventional filmmaking methods, the course embraces performance, philosophy, research, intuitive storytelling, as well as technical exploration performance for camera, scripting, storyboarding, filming, editing, and beyond. The lens becomes a collaborator, a witness, and an accomplice in the act of process & creation.

5501	Yara Travieso	Seats (Total: 15)	
	F 1:00pm - 3:40pm	PAC 3736	

DANC689P **Special Topics in Dance; Pedagogy Practicum: Hip Hop**

(Perm req)

Credits: 1 Grading Method: Regular, Audit, Sat-Fail

Special Topics in dance theory, research or creative projects.

5501	Ama Law	Seats (Total: 1)	
	Class time/details on ELMs	ONLINE	Lab

DANC698 **Independent Study in Dance**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Directed independent study in theoretical topics.

Contact department for information to register for this course.

DANC699 **Thesis Writing Lab**

Credits: 1

Grading Method: Regular, Audit

The final writing project in MFA dance degree demonstrates students' ability to write critically about their creative work in relation to the dance field at large. A successful written thesis demonstrates a familiarity with concepts from dance history and critical theory as well as an ability to analyze movement and choreography. During the thesis writing lab, each student organizes ideas and establishes individual goals for the written project.

0101	Maura Keefe	Seats (Total: 5)	
	M 1:00pm - 2:00pm	PAC 1924	

DANC719 **Graduate Choreography III: Projects**

Credits: 3

Grading Method: Regular, Audit

Research-based choreographic projects in preparation for the choreographed thesis project.

Prerequisite: Admission to MFA in Dance or permission of department. Students must pay a $25.00 lab fee. Research-based choreographic projects in preparation for the choreographed thesis project.

5501	Maura Keefe	Seats (Total: 7)	
	MW 11:00am - 12:50pm	PAC 1611	Lab
	Class time/details on ELMs	ONLINE	Lab

DANC777 **Internship in Dance**

(Perm req)

Credits: 1-5

Grading Method: Regular

Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department.

Internship in dance advocacy, administration, education, community building, choreography, or performance with an agency off campus and with a national or international profile.

0101	Kendra Portier	Seats (Total: 5)
	Class time/details on ELMs	ONLINE

DANC779 **Master's Tutorial for Performance**

Credits: 1

Grading Method: Regular, Audit

Supervised performance experience for advanced dancers.

0401	Alvin Mayes	Seats (Total: 15)
	Contact instructor or department for details.	

1001	Adriane Fang Contact instructor or department for details.	Seats (Total: 15)
2001	Instructor: TBA Contact instructor or department for details.	Seats (Total: 15)

DANC788 **Master's Tutorial for Choreography; Graduate Tutorial**

Credits: 1-3 Grading Method: Regular, Audit

Supervised production and presentation of a significant choreographic project.

0101	Patrik Widrig Class time/details on ELMs	Seats (Total: 3) ONLINE
0201	Sara Pearson Class time/details on ELMs	Seats (Total: 3) ONLINE
0301	Maura Keefe Class time/details on ELMs	Seats (Total: 3) ONLINE
0401	Alvin Mayes Class time/details on ELMs	Seats (Total: 3) ONLINE
0501	Instructor: TBA Class time/details on ELMs	Seats (Total: 3) ONLINE
0601	Kendra Portier W 3:00pm - 5:30pm *Designed to mirror professional rehearsal and performance processes, th course focuses on the physical and artistic demands of touring professional dance work. This semester centers on Turn, Turning, Turnt by acclaimed choreographer Cynthia Oliver-a triptych of three dynamic works that challenge dancers cardiovascularly, musically, and performatively. Under the direction of faculty member Kendra Portier, who also performs in the work, students will engage in repertory rehearsals, receive targeted physical training, and learn choreography for all three pieces. The course emphasizes the stamina, precision, and artistry required for professional dance practice in preparation for premiere and touring performances.*	Seats (Total: 10) PKT 2102
0701	Crystal Davis Class time/details on ELMs	Seats (Total: 3) ONLINE

0801	Instructor: TBA Class time/details on ELMs	Seats (Total: 3) ONLINE	
1001	Adriane Fang Class time/details on ELMs	Seats (Total: 3) ONLINE	

DANC799 **Master's Thesis Project**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

DATA Data Science and Analytics Fall 2025

DATA100 **Elementary Statistics and Probability**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSAR, FSMA

Prerequisite: MATH107, MATH113, or MATH115 with a C- or better; or permission of CMNS-Mathematics department; or must have math eligibility of STAT100 or higher and math eligibility is based on the Math Placement Exam or the successful completion of Math 003 with appropriate eligibility. Restriction: Must not have completed MATH111; or must not have completed any STAT course with a prerequisite of MATH141. Cross-listed with: STAT100. Credit only granted for: DATA100 or STAT100.

Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0111	Matthew Griffin MWF 11:00am - 11:50am M 9:30am - 10:45am	Seats (Total: 28) ESJ 0224 PHY 4206	Discussion
0112	Matthew Griffin MWF 11:00am - 11:50am M 12:30pm - 1:45pm	Seats (Total: 27) ESJ 0224 PHY 4206	Discussion
0121	Matthew Griffin MWF 11:00am - 11:50am Tu 9:30am - 10:45am	Seats (Total: 27) ESJ 0224 PHY 4206	Discussion
0122	Matthew Griffin MWF 11:00am - 11:50am Tu 11:00am - 12:15pm	Seats (Total: 27) ESJ 0224 PHY 4206	Discussion

0123	Matthew Griffin MWF 11:00am - 11:50am Tu 12:30pm - 1:45pm	Seats (Total: 27) ESJ 0224 PHY 4206	Discussion
0124	Matthew Griffin MWF 11:00am - 11:50am Tu 2:00pm - 3:15pm	Seats (Total: 28) ESJ 0224 PHY 4206	Discussion
0131	Matthew Griffin MWF 11:00am - 11:50am W 9:30am - 10:45am	Seats (Total: 27) ESJ 0224 PHY 4206	Discussion
0141	Matthew Griffin MWF 11:00am - 11:50am Th 9:30am - 10:45am	Seats (Total: 27) ESJ 0224 PHY 4206	Discussion
0142	Matthew Griffin MWF 11:00am - 11:50am Th 11:00am - 12:15pm	Seats (Total: 27) ESJ 0224 PHY 4206	Discussion
0211	Matthew Griffin MWF 12:00pm - 12:50pm M 9:30am - 10:45am	Seats (Total: 28) ESJ 0202 PHY 4206	Discussion
0212	Matthew Griffin MWF 12:00pm - 12:50pm M 2:00pm - 3:15pm	Seats (Total: 27) ESJ 0202 PHY 4206	Discussion
0221	Matthew Griffin MWF 12:00pm - 12:50pm Tu 9:30am - 10:45am	Seats (Total: 28) ESJ 0202 ANS 0412	Discussion
0222	Matthew Griffin MWF 12:00pm - 12:50pm Tu 11:00am - 12:15pm	Seats (Total: 27) ESJ 0202 PHY 4206	Discussion
0223	Matthew Griffin MWF 12:00pm - 12:50pm Tu 12:30pm - 1:45pm	Seats (Total: 27) ESJ 0202 MTH 0105	Discussion

0224	Matthew Griffin MWF 12:00pm - 12:50pm Tu 2:00pm - 3:15pm	Seats (Total: 30) ESJ 0202 CHE 2136	Discussion
0231	Matthew Griffin MWF 12:00pm - 12:50pm W 9:30am - 10:45am	Seats (Total: 27) ESJ 0202 PHY 4206	Discussion
0241	Matthew Griffin MWF 12:00pm - 12:50pm Th 9:30am - 10:45am	Seats (Total: 27) ESJ 0202 PHY 4206	Discussion
0242	Matthew Griffin MWF 12:00pm - 12:50pm Th 11:00am - 12:15pm	Seats (Total: 27) ESJ 0202 PHY 4206	Discussion
0311	Archana Khurana MWF 2:00pm - 2:50pm M 11:00am - 12:15pm	Seats (Total: 29) ESJ 0202 MTH 0401	Discussion
0312	Archana Khurana MWF 2:00pm - 2:50pm M 12:30pm - 1:45pm	Seats (Total: 29) ESJ 0202 MTH 0401	Discussion
0321	Archana Khurana MWF 2:00pm - 2:50pm W 9:30am - 10:45am	Seats (Total: 29) ESJ 0202 MTH 0401	Discussion
0322	Archana Khurana MWF 2:00pm - 2:50pm W 11:00am - 12:15pm	Seats (Total: 29) ESJ 0202 MTH 0401	Discussion
0323	Archana Khurana MWF 2:00pm - 2:50pm W 12:30pm - 1:45pm	Seats (Total: 29) ESJ 0202 MTH 0401	Discussion
0341	Archana Khurana MWF 2:00pm - 2:50pm M 9:30am - 10:45am	Seats (Total: 29) ESJ 0202 MTH 0401	Discussion

DATA110 Applications of R for Data Science

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: DATA100, STAT100, MATH135, or any 400-level STAT course. Cross-listed with: STAT110. Credit only granted for: STAT110 or DATA110.

Intended to prepare students for subsequent courses requiring computation with R, providing powerful and easy to use tools for statistical data analysis. Covers basics of R and R Studio including file handling, data simulation, graphical displays, vector and function operations, probability distributions, and inferential techniques for data analysis.

0101	Susan Mazzullo	Seats (Total: 250)
	Meets September 2, 2025 - October 20, 2025	
	Class time/details on ELMs	ONLINE

DATA120 Python Programming for Data Science

Credits: 1 Grading Method: Regular

Prerequisite: DATA100, STAT100, MATH135, or any 400-level STAT course.

An introduction to programming in Python language, using Jupyter Notebooks and Python scripts. Covers variables, conditionals, loops, functions, lists, strings, tuples, sets, dictionaries, files and visualization.

0101	Fardina Alam	Seats (Total: 200)
	Meets October 27, 2025 - December 8, 2025	
	Class time/details on ELMs	ONLINE

DATA200 Knowledge in Society: Science, Data and Ethics

Credits: 3 Grading Method: Regular

Prerequisite: DATA100, STAT100, MATH135, or any 400-level STAT course.

An introduction to the fundamental concepts and principles that govern ethical data collection, analysis, and usage. Students will explore various methods of data collection and gain an understanding of the ethical implications associated with each approach. Key topics include data ownership, data privacy, data anonymity, and data validity, providing students with a solid foundation in ethical data practices.

0101	Fardina Alam	Seats (Total: 90)
	TuTh 11:00am - 12:15pm	IRB 1116

DATA250 Discrete Mathematics

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: DATA110 or DATA120; and MATH141.

Introduction to basic discrete mathematical and linear algebraic structures and use of these mathematical structures to solve programming problems. Logic, set theory, formal proof methodology, functions, combinatorics, advanced counting techniques, and elements of linear algebra.

0101	Todd Rowland MWF 12:00pm - 12:50pm F 3:00pm - 3:50pm	Seats (Total: 40) ATL 1114 ATL 1114

DATA320 Introduction to Data Science

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: DATA110 or DATA120; and DATA200 and DATA250; or by permission of the DATA Program Director. Restriction: Must not be a Computer Science major. Jointly offered with: CMSC320. Credit only granted for: CMSC320 or DATA320.

An introduction to data science i.e., the end-to-end process of going from unstructured, messy data to knowledge and actionable insights. Provides a broad overview of several topics including statistical data analysis, basic data mining and machine learning algorithms, large-scale data management, cloud computing, and information visualization.

0101	Maksym Morawski TuTh 9:30am - 10:45am	Seats (Total: 15) MMH 1400
0201	Maksym Morawski TuTh 2:00pm - 3:15pm	Seats (Total: 15) ARM 0135
0301	Fardina Alam TuTh 3:30pm - 4:45pm	Seats (Total: 15) IRB 0324

DATA350 Data Visualization and Presentation

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: DATA100, STAT100, MATH135, or any 400 level STAT course; and DATA110 or DATA120.

Introduction to effective and intuitive visual representations of data, including customizing graphics, plotting arrays, statistical graphics, and representing time series.

0101	Fushuai Jiang TuTh 12:30pm - 1:45pm	Seats (Total: 45) BPS 0283
0201	Raluca Rosca MWF 10:00am - 10:50am	Seats (Total: 30) PHY 2211

DATA400 **Applied Probability and Statistics I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH131, MATH141); or students who have taken courses with comparable content may contact the department. Cross-listed with: STAT400. Credit only granted for: DATA400, ENEE324, or STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC.

Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0111	Hatice Sahinoglu MWF 12:00pm - 12:50pm Tu 1:00pm - 1:50pm	Seats (Total: 27) HJP 0226 MTH 0104	Discussion
0112	Hatice Sahinoglu MWF 12:00pm - 12:50pm Tu 1:00pm - 1:50pm	Seats (Total: 27) HJP 0226 MTH 0401	Discussion
0121	Hatice Sahinoglu MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 27) HJP 0226 MTH 0104	Discussion
0122	Hatice Sahinoglu MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 27) HJP 0226 MTH 0401	Discussion
0131	Hatice Sahinoglu MWF 12:00pm - 12:50pm Tu 3:00pm - 3:50pm	Seats (Total: 27) HJP 0226 MTH 0104	Discussion
0132	Hatice Sahinoglu MWF 12:00pm - 12:50pm Tu 3:00pm - 3:50pm	Seats (Total: 27) HJP 0226 MTH 0401	Discussion
0211	Hatice Sahinoglu MWF 1:00pm - 1:50pm M 9:00am - 9:50am	Seats (Total: 27) HJP 0226 MTH B0427	Discussion
0212	Hatice Sahinoglu MWF 1:00pm - 1:50pm M 9:00am - 9:50am	Seats (Total: 27) HJP 0226 MTH 0304	Discussion

0221	Hatice Sahinoglu MWF 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 27) HJP 0226 MTH B0427	Discussion
0222	Hatice Sahinoglu MWF 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 27) HJP 0226 MTH 0304	Discussion
0231	Hatice Sahinoglu MWF 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 27) HJP 0226 MTH B0427	Discussion
0232	Hatice Sahinoglu MWF 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 27) HJP 0226 MTH 0304	Discussion
0311	David Pincus TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 30) PHY 1412 PHY 2214	Discussion
0312	David Pincus TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 30) PHY 1412 MTH B0423	Discussion
0321	David Pincus TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 2214	Discussion
0322	David Pincus TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 30) PHY 1412 MTH B0423	Discussion
0331	David Pincus TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 31) PHY 1412 PHY 2214	Discussion
0332	David Pincus TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 30) PHY 1412 MTH B0423	Discussion

0511	Shixin Zheng TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 30) ARM 0126 MTH 0106	Discussion
0521	Shixin Zheng TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 30) ARM 0126 MTH 0106	Discussion
0531	Shixin Zheng TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 30) ARM 0126 MTH 0106	Discussion

DATA601 **Probability and Statistics**

Credits: 3 Grading Method: Regular

Prerequisite: Undergraduate courses in calculus and basic linear algebra. Cross-listed with: BIOI601, MSAI601, MSML601. Credit only granted for: BIOI601, DATA601, MSAI601 or MSML601.

Provides a solid understanding of the fundamental concepts of probability theory and statistics. The course covers the basic probabilistic concepts such as probability space, random variables and vectors, expectation, covariance, correlation, probability distribution functions, etc. Important classes of discrete and continuous random variables, their inter-relation, and relevance to applications are discussed. Conditional probabilities, the Bayes formula, and properties of jointly distributed random variables are covered. Limit theorems, which investigate the behavior of a sum of a large number of random variables, are discussed. The main concepts random processes are then introduced. The latter part of the course concerns the basic problems of mathematical statistics, in particular, point and interval estimation and hypothesis testing.

PCS1	Jonathan Fernandes W 6:00pm - 8:45pm Class time/details on ELMs	Seats (Total: 55) BPS 1243 ONLINE	
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.		
PCS2	Anna Szczekutowicz M 12:00pm - 2:45pm	Seats (Total: 55) SQH 1117	
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.		
PCS3	Anna Szczekutowicz M 5:00pm - 7:45pm	Seats (Total: 55) PHY 1410	
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.		

PCS4	Roohollah Ebrahimian Th 3:00pm - 5:45pm	Seats (Total: 55) EGR 0108
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS6	Jonathan Fernandes W 3:00pm - 5:45pm Class time/details on ELMs	Seats (Total: 55) BPS 1243 ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PWS1	Leonid Koralov W 6:00pm - 8:45pm	Seats (Total: 55) ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will be fully online.	

DATA602 Principles of Data Science

Credits: 3 Grading Method: Regular

Restriction: Must be in one of the following programs: (Data Science Post-Baccalaureate Certificate, Master of Professional Studies in Data Science and Analytics, or Master of Professional Studies in Machine Learning). Cross-listed with: BIOI602, MSAI602, MSML602. Credit only granted for: BIOI602, DATA602, MSAI602, MSML602 or CMSC641. Formerly: CMSC641.

An introduction to the data science pipeline, i.e., the end-to-end process of going from unstructured, messy data to knowledge and actionable insights. Provides a broad overview of what data science means and systems and tools commonly used for data science, and illustrates the principles of data science through several case studies.

PCS1	Mohammad Nayeem Teli M 4:00pm - 6:45pm	Seats (Total: 50) CHE 2108
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS2	Fardina Alam Tu 5:00pm - 7:45pm	Seats (Total: 55) IRB 0318
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

PCS3	Tammy Perrin M 3:00pm - 5:45pm	Seats (Total: 35) BPS 1243
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS4	Tammy Perrin M 6:00pm - 8:45pm	Seats (Total: 35) BPS 1243
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS5	Tammy Perrin Th 4:30pm - 7:15pm	Seats (Total: 55) CHE 2110
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS6	Anna Evtushenko M 3:00pm - 5:45pm	Seats (Total: 35) ATL 2400
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS7	Anna Evtushenko M 6:00pm - 8:45pm	Seats (Total: 35) IRB 0318
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

DATA603 **Principles of Machine Learning**

Credits: 3 Grading Method: Regular

Restriction: Must be in one of the following programs: (Data Science Post-Baccalaureate Certificate, Master of Professional Studies in Data Science and Analytics, or Master of Professional Studies in Machine Learning). Cross-listed with: BIOI603, MSAI603, MSML603, MSQC603. Credit only granted for: BIOI603, DATA603, MSAI603, MSML603, MSQC603 or CMSC643. Formerly: CMSC643.

A broad introduction to machine learning and statistical pattern recognition. Topics include: Supervised learning: Bayes decision theory, discriminant functions, maximum likelihood estimation, nearest neighbor rule, linear discriminant analysis, support vector machines, neural networks, deep learning networks. Unsupervised learning: clustering, dimensionality reduction, PCA, auto-encoders. The course will also discuss recent applications of machine learning, such as computer vision, data mining, autonomous navigation, and speech recognition.

The lecture may be conducted online some weeks and in person other weeks. Please see ELMS for Class meeting details.

PCS1	Babak Azimi-Sadjadi M 6:00pm - 8:45pm	Seats (Total: 50) CSI 2117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS2	Babak Azimi-Sadjadi Th 6:00pm - 8:45pm	Seats (Total: 50) MCB 1207
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS3	Alejandra Mercado F 9:00am - 11:45am	Seats (Total: 50) PLS 1140
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS4	Richard La Tu 3:30pm - 6:15pm	Seats (Total: 50) TWS 0310
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS5	Richard La Tu 7:00pm - 9:45pm	Seats (Total: 50) TWS 1100
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PWS1	Kemal Davaslioglu Th 6:00pm - 8:45pm	Seats (Total: 50) ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will be fully online.	

DATA607 Communication in Data Science and Analytics

Credits: 3 Grading Method: Regular

Prerequisite: DATA602.

Expected learning outcomes include that, in the context of data science and analytics, students should be able to: summarize, report, organize prose, statistics, graphics, and presentations; explain uncertainty, sensitivity/robustness, limitations; describe model generation and representation; discuss interpretations and implications; communicate effectively to diverse audiences within a business organization, and possibly other outcomes.

PCS1	Vincent Lyzinski Tu 4:00pm - 6:45pm	Seats (Total: 55) EGR 0108
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS2	Mestiyage Gunatilleka Tu 5:00pm - 7:45pm	Seats (Total: 55) CSI 3117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS3	Kendall Williams F 5:00pm - 7:45pm	Seats (Total: 55) CSI 2117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS4	Mestiyage Gunatilleka Th 6:00pm - 8:45pm	Seats (Total: 55) CSI 3117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

DATA612 **Deep Learning**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: DATA603 or MSML603. Cross-listed with: MSAI612, MSML612. Credit only granted for: DATA612, MSAI612 or MSML612.

Provides an introduction to the construction and use of deep neural networks: models that are composed of several layers of nonlinear processing. The class will focus on the main features in deep neural nets structures. Specific topics include backpropagation and its importance to reduce the computational cost of the training of the neural nets, various coding tools available and how they use parallelization, and convolutional neural networks. Additional topics may include autoencoders, variational autoencoders, convolutional neural networks, recurrent and recursive neural networks, generative adversarial networks, and attention-based models. The concepts introduced will be illustrated by examples of applications chosen among various classification/clustering questions, computer vision, natural language processing.

PCS1	Samet Ayhan Th 6:00pm - 8:45pm	Seats (Total: 69) TWS 1100
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

DATA641 **Natural Language Processing**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: DATA603 or MSML603. Cross-listed with: MSAI641, MSML641. Credit only granted for: DATA641, MSAI641 or MSML641.

Introduces fundamental concepts and techniques involved in getting computers to deal more intelligently with human language. Focused primarily on text (as opposed to speech), the class will offer a grounding in core NLP methods for text processing (such as lexical analysis, sequential tagging, syntactic parsing, semantic representations, text classification, unsupervised discovery of latent structure), key ideas in the application of deep learning to language tasks, and consideration of the role of language technology in modern society.

PCS3	Naeemul Hassan M 7:00pm - 9:45pm	Seats (Total: 55) CSI 3117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS4	Naeemul Hassan Tu 6:00pm - 8:45pm	Seats (Total: 55) CHE 2108
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS5	Toki Inan M 7:00pm - 9:45pm	Seats (Total: 55) IRB 1116
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PWS1	Peter Vickers, Armin Mehrabian M 7:00pm - 9:45pm	Seats (Total: 55) ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will be fully online.	
PWS2	Peter Vickers, Armin Mehrabian Tu 6:00pm - 8:45pm	Seats (Total: 55) ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

DATA643 Times Series Analysis

Credits: 3

Grading Method: Regular, Audit

Prerequisite: DATA601, DATA602, and DATA603. Students should also be familiar with linear algebra including eigendecomposition and the basics of the Fourier transform in the context of differential equations or signal processing.

Time series arise in multiple disciplines ranging from epidemiology and climate science to finance and predictive logistics whenever current values are influenced by previously observed ones. This course will cover the behavior and characteristics of time series along with decomposition and forecasting methodologies. We will begin by analyzing random walks, and move onto ARIMA, exponential smoothing, and spectral analysis. The course will conclude with contemporary deep learning methodologies such as LSTM and generative pretrained transformer based architectures.

PCS1	Charles Forgy	Seats (Total: 55)
	Th 4:00pm - 6:45pm	SQH 1120
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

DATA650 Cloud Computing

Credits: 3 Grading Method: Regular

Cross-listed with: MSML650. Credit only granted for: MSML650 or DATA650.

Presents the state of the art in cloud computing technologies and applications. Topics will include: telecommunications needs, architectural models for cloud computing, cloud computing platforms and services. Data center networking, server, network and storage virtualization technologies, and containerization. Cloud operating and orchestration systems. Security, privacy, and trust management; resource allocation and quality of service; interoperability and internetworking.

PCS1	Samet Ayhan	Seats (Total: 50)
	M 4:00pm - 6:45pm	CSI 1121
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS2	Samet Ayhan	Seats (Total: 55)
	W 6:00pm - 8:45pm	ESJ 2204
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS3	Emre Gunduzhan	Seats (Total: 55)
	W 6:00pm - 8:45pm	CSI 2117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

PCS5	Zaoxing Liu M 4:00pm - 6:45pm	Seats (Total: 50) PLS 1140
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS6	Zoltan Safar M 9:00am - 11:45am	Seats (Total: 50) TWS 1107
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

DATA699 **Capstone Research Project**

(Perm req) Credits: 3 Grading Method: Regular

The capstone project provides students with an opportunity to integrate and apply the core knowledge and skills acquired throughout the data science program in a real-world, project-driven setting. All projects must be new and completed specifically for this capstone course under faculty supervision. Students will choose a project reflecting their domain interest (and perhaps of professional or research relevance). The course instructor will provide guidance to set appropriate expectations, scope, and methodological rigor. Students will conduct a comprehensive data science project applicable to organizational or research objectives; apply the full data science workflow,; and develop a professional written report and other technical deliverables.

Contact department for information to register for this course.

ECON Economics Fall 2025

The Department of Economics enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

ECON111 **Thinking Like an Economist**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSHS, SCIS

Restriction: Must be sophomore standing or lower.

An introduction to the modes of thought of economics. Use of simple standard tools of economics to analyze important problems that arise frequently in public policy, the news media, and in daily life. An emphasis on how economists predict what choices societies make and how economists analyze whether those are good choices. Practical application of a variety of economic tools leading to a focus on the essential unity underlying these analytical tools, viewing economics as a discipline that applies a core methodology in different ways in different situations.

0101	Peter Murrell MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) SQH 1120 TYD 2109	 Discussion

0102	Peter Murrell MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) SQH 1120 TYD 2102	Discussion
0103	Peter Murrell MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) SQH 1120 TYD 2102	Discussion

ECON175 **Inequality: Determinants and Policy Remedies**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHS, SCIS

History shows that the gap between the rich and the poor has varied over time within and between countries, most recently seeming to increase within many countries while somewhat decreasing between countries. This course challenges students to investigate why people make different amounts of money, why income inequality has changed dramatically in recent years, what public policy tools exist to counter inequality increases, and what different institutional arrangements different countries use to lower inequality. This course will introduce students to theoretical tools used by economists to understand the sources of inequality and will also examine various empirical measures of inequality.

0101	Ethan Kaplan MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 16) TYD 0117 TYD 0101	Discussion
0102	Ethan Kaplan MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 16) TYD 0117 TYD 0101	Discussion
0103	Ethan Kaplan MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 16) TYD 0117 TYD 0101	Discussion
0104	Ethan Kaplan MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 16) TYD 0117 TYD 1108	Discussion

ECON200 **Principles of Microeconomics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Prerequisite: MATH107 or MATH110; or must have math eligibility of MATH113 or higher. Additional information: It is recommended that students complete ECON200 before taking ECON201.

Introduces economic models used to analyze economic behavior by individuals and firms and consequent market outcomes. Applies conceptual analysis to several policy issues and surveys a variety of specific topics within the broad scope of microeconomics.

0101	Stefania Scandizzo TuTh 9:30am - 10:45am	Seats (Total: 400) TYD 0130
0201	Stefania Scandizzo TuTh 11:00am - 12:15pm	Seats (Total: 400) TYD 0130
0301	Erin Moody TuTh 12:30pm - 1:45pm	Seats (Total: 400) TYD 0130
FC01	Hossein Abbasi MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 221) TYD 0130

ECON201 **Principles of Macroeconomics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Prerequisite: MATH107 or MATH110; or must have math eligibility of MATH113 or higher. Recommended: ECON200. Credit only granted for: ECON201 or ECON205.

An introduction to how market economies behave at the aggregate level. The determination of national income/output and the problems of unemployment inflation, will be examined, along with monetary and fiscal policy.

0101	John Shea TuTh 2:00pm - 3:15pm	Seats (Total: 250) TYD 0130
0201	Naveen Sarna TuTh 3:30pm - 4:45pm	Seats (Total: 250) TYD 0130

ECON230 **Applied Economic Statistics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSAR

Prerequisite: Must have math eligibility of MATH113 or higher; or 1 course with a minimum grade of C- from (MATH107, MATH110); and minimum grade of C- in ECON200 and ECON201. Recommended: Students should already have basic familiarity with Microsoft Excel or similar spreadsheet software. Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics minor; Social Data Science-Economics).

Introductory course to develop understanding of statistical concepts used in applied economics. Students will acquire skills needed to calculate and interpret statistical concepts, including descriptive statistics, probability, discrete and continuous distributions, sampling, point and interval estimations, hypothesis testing, basic analysis of variance, and simple linear regression models. Students will apply these concepts to data using both handheld calculators and spreadsheets(Excel), and students will be introduced to an econometric software package such as SPSS or SAS or R.

0101	Pierre De Leo	Seats (Total: 38)
	TuTh 3:30pm - 4:45pm	TYD 2106

ECON298I **Special Topics in Economics; Start-up Nation? Tech Entrepreneurship in Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in economics. Designed to meet the changing interests of students and staff.

This interdisciplinary course will explore the unique ecosystem that has contributed to the creation and success of the Israeli tech sector. The course addresses cultural, historical, and social factors and examines key moments and individuals in the country's startup landscape. Through case studies, guest lectures, and interactive projects, students will gain practical insights into entrepreneurship. The course also addressesthe ethical considerations and social impacts of entrepreneurship in Israel, providing a well-rounded understanding of the complexities of starting a business in this dynamic environment. Cross-listed with ISRL249J and BMGT298L. Credit will be only granted for ECON298I, ISRL249J, or BMGT298L.

0101	Aner Tal	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ONLINE

ECON300 **Methods and Tools for Economic Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON200, ECON201); and minimum grade of C- in MATH140. Restriction: Must be in Economics Bachelor of Science program; and must not have completed MATH241.

Economic application of mathematical tools and concepts necessary for intermediate and advanced coursework in economics. Topics include: multivariable calculus, constrained optimization, foundational coverage of probability theory, and exponential/logarithmic functions.

0101	Chenyu Yang	Seats (Total: 48)
	TuTh 2:00pm - 3:15pm	TYD 2102

ECON305 **Intermediate Macroeconomic Theory and Policy**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201; and 1 course with a minimum grade of C- from (MATH120, MATH130, MATH136, MATH140). Credit only granted for: ECON305 or ECON325.

Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0101	Martina Copelman TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 35) TYD 0117 TYD 1132	 Discussion
0102	Martina Copelman TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 35) TYD 0117 TYD 1132	 Discussion
0201	Martina Copelman TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 35) SHM 2102 TYD 1132	 Discussion
0202	Martina Copelman TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 35) SHM 2102 TYD 1132	 Discussion

ECON306 **Intermediate Microeconomic Theory & Policy**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201; and 1 course with a minimum grade of C- from (MATH120, MATH130, MATH136, MATH140). Credit only granted for: ECON306, ECON326, AREC489M, or AREC326.

Analysis of the theories of consumer behavior, producer behavior, different market structures, and various sources of inefficient outcomes. Analysis of microeconomic policies designed to improve market outcomes.

0101	Aaron Finkle MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 60) TMH 0301 SQH 1120	 Discussion
0102	Aaron Finkle MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 60) TMH 0301 SQH 1120	 Discussion

0201	Aaron Finkle MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 60) TMH 0301 SQH 1120	 Discussion
0202	Aaron Finkle MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 60) TMH 0301 SQH 1120	 Discussion

ECON312 **American Economic History After the Civil War**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201. Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics minor; Social Data Science-Economics).

Topics include: the economics of the Civil War, the performance of southern agriculture in the late 19th century, the rise of large corporations, industrialization, the development of financial markets, the creation of the Federal Reserve Board, the economics of the Great Depression and the New Deal, the economic impact of World War II, and the rise of the modern service economy in the late 20th century. Utilizes basic economic theories to understand these episodes as well as the progress of the U.S. economy over this period.

0101	Alka Gandhi MWF 12:00pm - 12:50pm	Seats (Total: 38) TYD 2106

ECON315 **Economic Development of Underdeveloped Areas**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201. Credit only granted for: ECON315 or ECON416.

Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.

Contact department for information to register for this course.

ECON317 **Global Economic Policies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201. Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics minor; Social Data Science-Economics).

Analysis of policy options and debates on fostering economic growth and development in a global economy where national boundaries are no longer relevant. Topics covered will include real loanable funds markets in both local and international contexts during normal conditions and during financial crises, the design of trade and industrial policies, and the role of the World Bank, IMF, WTO, and other international agencies as well as regional and bilateral trade agreements. Emerging economies will be emphasized.

0101	Naveen Sarna TuTh 12:30pm - 1:45pm	Seats (Total: 36) TYD 0111	
0201	Naveen Sarna TuTh 2:00pm - 3:15pm	Seats (Total: 36) TYD 0111	

ECON321 **Economic Statistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201; and minimum grade of C- in ECON300 or (MATH241 and any statistics course). Restriction: Must be in Economics Bachelor of Science program.

Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.

0101	Alka Gandhi MWF 10:00am - 10:50am	Seats (Total: 49) TYD 2102	

ECON325 **Intermediate Macroeconomic Analysis**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201; and minimum grade of C- in ECON300 or (MATH241 and any statistics course). Restriction: Must be in one of the following programs (Economics Bachelor of Science; Economics minor). Credit only granted for: ECON305 or ECON325.

Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.

0101	L Stevens MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 24) TYD 2102 TYD 2102	 Discussion
0102	L Stevens MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 24) TYD 2102 TYD 2102	 Discussion

ECON326 **Intermediate Microeconomic Analysis**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201; and minimum grade of C- in ECON300 or (MATH241 and any statistics course). Restriction: Must be in one of the following programs (Economics Bachelor of Science; Economics minor). Credit only granted for: ECON306, ECON326, or AREC326.

Analysis of economic decision-making by individuals and firms, the resulting market outcomes, and applications to real-world problems. Emphasis on analytical logic and theoretical rigor. Topics covered include consumer preferences and utility maximization, perfect competition and market power, uncertainty and risk, externalities, and asymmetric information.

0101	Daniel Reck MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 32) SYM 0200 TYD 2109	 Discussion
0102	Daniel Reck MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 32) SYM 0200 TYD 2109	 Discussion

ECON327 **Behavioral Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201. Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics minor; Social Data Science-Economics).

Integrating the insights of psychology into economics. Analysis of the ways in which individuals make decisions that systematically depart from the so-called "standard model" of homo economicus, which assumes perfect rationality, perfect selfishness, and perfect willpower. Investigating the implications of the major findings of behavioral economics for policymakers.

0101	Erkut Ozbay TuTh 11:00am - 12:15pm	Seats (Total: 65) TYD 0117	

ECON330 **Money and Banking**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201.

The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0101	Thomas Drechsel TuTh 9:30am - 10:45am	Seats (Total: 275) SKN 0200

ECON340 **International Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201. Credit only granted for: ECON340 or ECON441.

Introduces economic models of international trade and finance. Analyzes policies designed to promote and restrict international trade and to manage exchange rates and impact international capital flows.

Contact department for information to register for this course.

ECON371 **Economic Analysis of Good, Evil, and Fairness**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201. Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics minor; Social Data Science-Economics).

Examines how economic tools can be used to analyze and better understand issues of "Good", "Evil" and "Fairness". Considers questions such as: What is the relation between fairness and equal treatment? Between fairness and equality? What makes an economic or political system "fair" or "unfair"? What makes a system "good"?

0101	Allan Drazen MW 2:00pm - 3:15pm	Seats (Total: 20) TYD 0101
0201	Allan Drazen MW 3:30pm - 4:45pm	Seats (Total: 20) TYD 0101

ECON375 **Economics of Poverty and Discrimination**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

Prerequisite: Minimum grade of C- in ECON200 and ECON201.

Examination of various issues, including: the causes of persistent poverty over time for some groups within society; the relationship of poverty to technological change, to economic growth, and to education and training; economic results of discrimination; proposed remedies for poverty and discrimination.

0101	Sergio Urzua MW 11:00am - 12:15pm	Seats (Total: 40) TYD 2109

ECON386 **Experiential Learning**

(Perm req) Credits: 3 Grading Method: Sat-Fail

Prerequisite: ECON201 and ECON200. Restriction: Permission of BSOS-Economics department; and must be in a major within the BSOS-Economics department; and minimum cumulative GPA of 2.5; and junior standing or higher.

See Department Advising Office for course eligibility, course requirements, and application information.

Student and internship eligibility requirements, along with the ECON386 application, can be found at: http://ter.ps/ECON386.

Contact department for information to register for this course.

ECON387 Career Preparation for Economics Majors

Credits: 2 Grading Method: Regular

Prerequisite: Minimum grade of C- in ECON200 and ECON201. Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics Bachelor of Science) ; and must have earned a minimum of 30 credits.

Increase student knowledge of career paths, job search tools, and strategies for successfully obtaining a job with a BA or BS in economics. Students will engage in a range of different activities which build their understanding of job opportunities in economics and hone their abilities to find positions they want. Students will reflect on specific skills employers seek from economics graduates and incorporate that knowledge in their own individual job search and career plan.

0101	Ronda Ansted **Meets September 2, 2025 - October 17, 2025** Th 3:30pm - 5:20pm Class time/details on ELMs	Seats (Total: 20) TYD 0102 ONLINE	 Discussion
0201	Ronda Ansted **Meets October 20, 2025 - December 12, 2025** Th 3:30pm - 5:20pm Class time/details on ELMs	Seats (Total: 20) TYD 0102 ONLINE	 Discussion

ECON396 Independent Honors Study

(Perm req) Credits: 3 Grading Method: Regular

Restriction: Permission of BSOS-Economics department.

First semester of the departmental honors sequence. Students will develop and apply research skills required to carry out original research. By the end of the semester students will have produced a complete draft of an honors thesis resembling a scholarly journal article.

0101	Nolan Pope	Seats (Total: 15)
	MW 2:00pm - 3:15pm	TYD 1108

ECON397 **Honors Thesis**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON396. Restriction: Must be a candidate for honors in economics.

General supervision will be provided through assembled meetings with the professor in charge of the course.

Contact department for information to register for this course.

ECON399 **Independent Study in Economics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Integrated readings and independent study under direction and supervision of a faculty member. Contact department for additional information.

Permission of instructor must be arranged in advance. Open only to students who have previously earned 6 or more credits in upper division economics courses.

Contact department for information to register for this course.

ECON399P **Independent Study in Economics; PADE**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail

Integrated readings and independent study under direction and supervision of a faculty member. Contact department for additional information.

Contact department for information to register for this course.

ECON399T **Independent Study in Economics; Undergraduate ECON TA**

(Perm req)

Credits: 3 Grading Method: Regular

Integrated readings and independent study under direction and supervision of a faculty member. Contact department for additional information.

Contact department for information to register for this course.

ECON401 **Current Issues in American Economic Policy**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON325); and 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON424, ECON422). Restriction: Permission of BSOS-Economics department; and must be in one of the following programs (Economics Bachelor of Arts; Economics minor; Social Data Science-Economics).

Analysis of current economic problems and public policies. Topics could include poverty, income inequality, social insurance, education, environmental sustainability, immigration, and innovation. Other issues may be substituted depending on current events.

0101	Katharine Abraham MW 9:30am - 10:45am	Seats (Total: 27) TYD 0101

ECON410 Comparative Economic Institutions

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON325 and ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT401). Restriction: Must be in one of the following programs (Economics Bachelor of Science; Economics minor).

Institutions are the sets of rules that constrain the decisions and interactions of economic agents. The course uses economic analysis to understand both formal institutions (e.g. laws) and informal institutions (e.g. cultural norms). Practical examples are drawn from economics, law, and politics, and reflect the experience of many different countries.

0101	Peter Murrell MW 11:00am - 12:15pm	Seats (Total: 15) TYD 0101

ECON414 Game Theory

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321, STAT401). Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics Bachelor of Science; Economics minor). Credit only granted for: CMSC474, ECON414, GVPT399A or GVPT390.

Studies the competitive and cooperative behavior that results when several parties find that their individual outcomes are jointly determined. Students will learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.

0101	Daniel Vincent MW 3:30pm - 4:45pm	Seats (Total: 45) TYD 2102
0201	Peter Coughlin MWF 1:00pm - 1:50pm	Seats (Total: 45) TYD 2106

ECON418C Economic Development of Selected Areas; China

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Economic and institutional characteristics of a specific geographic area are identified and discussed, and alternate strategies and policies for development are analyzed.

Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics minor; Social Data Science-Economics). Students may repeat "ECON418 Economics Development of Selected Areas" for a maximum of 6 credits. An introductory survey course of economic development in China with emphasis on understanding the process of economic reform in mainland China since 1978.

0101	Jing Cai TuTh 11:00am - 12:15pm	Seats (Total: 40) MCB 1207

ECON422 Econometrics

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (ECON321, STAT401). Restriction: Must be in one of the following programs (Economics Bachelor of Science; Economics minor). Credit only granted for: ECON422, ECON424, or AREC422.

Emphasizes the interaction between economic problems and the assumptions employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.

0101	Ethan Kaplan MW 9:30am - 10:45am	Seats (Total: 30) TYD 2109
0201	Alka Gandhi MWF 1:00pm - 1:50pm	Seats (Total: 30) TYD 1101

ECON424 Applied Econometrics

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON306, ECON325, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics minor; Social Data Science-Economics). Credit only granted for: ECON422, ECON424 or AREC422.

Provide the knowledge and skills necessary to accomplish and utilize basic applied econometric analysis utilized by many business service providers, government agencies, and nonprofits engaged in policy analysis. Topics include simple and multiple regressions using cross section, time series, and panel data, issues of heteroskedasticity, serial correlation, and multicollinearity, models with binary dependent variable, and program evaluation. Course emphasizes application of knowledge using software packages but still covers essential theoretical background.

0101	Hossein Abbasi TuTh 11:00am - 12:15pm	Seats (Total: 45) TYD 2102	
0201	Hossein Abbasi TuTh 12:30pm - 1:45pm	Seats (Total: 45) TYD 2102	

ECON432 **Applied Machine Learning**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON422, ECON424). Restriction: Permission of BSOS-Economics department; and must be in one of the following programs (Economics Bachelor of Arts; Economics Bachelor of Science; Economics minor; Social Data Science-Economics).

Offers a comprehensive examination of the concepts and techniques used in machine learning, with a specific emphasis on their applications in economics. Focuses on the practical aspects of machine learning, including the use of different methods, model selection, and performance evaluation. Students will explore both supervised and unsupervised learning techniques, such as linear and non-linear regression, k-nearest neighbors, tree-based approaches, support vector machines, neural networks, and dimensionality reduction methods. Additional advanced methods may be covered, depending on the time available. Hands-on implementation of these techniques will be conducted using the R programming language.

0101	Hossein Abbasi TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 20) TYD 2102 TYD 0102	 Discussion
0102	Hossein Abbasi TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 20) TYD 2102 TYD 0102	 Discussion

ECON433 **Economics of Big Data**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321, STAT401). Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics Bachelor of Science; Economics minor; Social Data Science-Economics).

The importance of big data in the global economy is rising. Students will explore the definition and characteristics of big data, the impact of big data on individuals, use of big data by firms, entrepreneurs and non-profits, as well as how big data reshapes various public policies.

Some classes may meet online during the scheduled class time.

0101	Ginger Jin TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 20) TYD 2109 TYD 1118	 Discussion
0102	Ginger Jin TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 20) TYD 2109 TYD 1118	 Discussion

ECON442 **Globalization and Capital Markets**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON326 and ECON325; and 1 course with a minimum grade of C- from (ECON321, STAT401). Restriction: Must be in one of the following programs (Economics Bachelor of Science; Economics minor); and must not have completed ECON441. Credit only granted for: ECON441 or ECON442.

Uses models of open-economy macroeconomics to explain the causes and consequences of international capital flows. Analysis is made of private consumption, investment, the government sector, current accounts, the labor market, and the money and foreign exchange markets in small open economies. This framework is then used to study examples of how speculative attacks on currencies, sudden reversals of capital inflows, and the effects of the lack of credibility of economic policy affect economic development.

0101	Martina Copelman TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 2106

ECON443 **International Trade and Trade Policy in the New Global Economy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON325); and 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics minor; Social Data Science-Economics); and must not have completed ECON441. Credit only granted for: ECON441 or ECON443.

Examines the economics of international economic integration, including the theory of customs unions and free trade areas, the role of GATT and the WTO, changes in individual countries' foreign trade policies during the new era of globalization, the special role of multinational firms in world trade, and recent controversies about the benefits and costs of globalized trade.

0101	Stefania Scandizzo TuTh 2:00pm - 3:15pm	Seats (Total: 38) TYD 1102

ECON451 **Public Choice**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics minor; Social Data Science-Economics).

Analysis of collective decision making, economic models of government, program budgeting, and policy implementation; emphasis on models of public choice and institutions which affect decision making.

0101	Peter Coughlin	Seats (Total: 38)
	MWF 11:00am - 11:50am	TYD 1101

ECON453 Natural Resources and Public Policy

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: AREC326, ECON306, or ECON326; and (BMGT230 or ECON230). Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Agricultural and Resource Economics: Agribusiness; Agricultural and Resource Economics: Environmental and Resource Economics; Economics Bachelor of Arts; Environmental Science & Policy-Env Economics; Social Data Science-Economics; Economics minor). Cross-listed with: AREC453. Credit only granted for: AREC453 or ECON453.

Rational use and reuse of natural resources. Theory, methodology, and policies concerned with the allocation of natural resources among alternative uses. Optimum state of conservation, market failure, safe minimum standard, and cost-benefit analysis.

0101	Cory Smith	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	TWS 0201

ECON456 Law and Economics

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics minor; Social Data Science-Economics).

Relationship of the exchange process to the system of institutions and rules that society develops to carry out economic transactions. Topics covered include: Property rights; torts, negligence, and liability; contracts and exchanges; criminal control and enforcement; equity and efficiency issues .

0101	Aaron Finkle	Seats (Total: 40)
	MW 11:00am - 12:15pm	TYD 2111

ECON481 Environmental Economics

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (AREC326, ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, ECON321, BMGT230). Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Agricultural and Resource Economics: Agribusiness; Agricultural and Resource Economics: Environmental and Resource Economics; Economics Bachelor of Arts; Environmental Science & Policy-Env Economics; Social Data Science-Economics; Economics minor). Cross-listed with: AREC481. Credit only granted for: ECON481 or AREC481.

An exploration of the use of economic incentives for protection of the environment and the determination of appropriate (or efficient) level of environmental quality. Also covers the choice of policy instruments for the attainment of environmental standards.

0101	Maureen Cropper MW 3:30pm - 4:45pm	Seats (Total: 38) TYD 2106

ECON485 **Economics of Land Use**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (AREC326, ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, ECON321, BMGT230). Cross-listed with: AREC455. Credit only granted for: AREC455 or ECON485.

Fundamentals of location theory. Microeconomics of land use decisions, including determination of rent and hedonic pricing models. Impacts of government decisions on land use, including regulation (e.g., zoning), incentives (transferable development rights), provision of public services, and infrastructure investments. Impacts of land use on environmental quality, including issues relating to sprawl, agricultural land preservation, and other topics of special interest.

Click here to review the ECON course list to determine how this course will count towards your major.

0101	David Newburn TuTh 3:30pm - 4:45pm	Seats (Total: 100) SHM 2102

ECON499 **Independent Research in Economics**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail

Directed research under the supervision of a faculty member. Contact department for additional information.

Contact department for information to register for this course.

ECON601 **Macroeconomic Analysis I**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Restriction: Permission of BSOS-Economics department.

Introductory technical treatment of standard Keynesian, classical and new classical macroeconomic models. Expectations formation and microeconomic foundations of consumption, investment, money demand, and labor market behavior.

0101	Boragan Aruoba, John Shea	Seats (Total: 45)	
	MW 12:30pm - 1:45pm	TYD 2102	
	M 5:00pm - 6:45pm	TYD 2102	Discussion

ECON603 **Microeconomic Analysis I**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of BSOS-Economics department.

A detailed treatment of the theory of the consumer and of the firm, particularly emphasizing the duality approach. Topics include the household production model, imperfect competition, monopolistic and oligopolistic markets.

0101	Lawrence Ausubel, Emel Filiz Ozbay	Seats (Total: 50)	
	TuTh 2:00pm - 3:15pm	TYD 2106	
	F 1:00pm - 2:30pm	TYD 0117	Discussion

ECON616 **Economic Development II**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: ECON603, and ECON604; or permission of BSOS-Economics department.

Survey of a variety of models explaining how market failures may lead to poverty and underdevelopment, with an emphasis on the empirical evaluation of constraints faced by individuals in developing countries and the programs that attempt to alleviate those constraints. Topics include: agricultural and land markets, labor markets, human capital in developing countries, credit markets, and consumption smoothing and risk coping.

0101	Jessica Goldberg	Seats (Total: 30)	
	MW 2:00pm - 3:15pm	TYD 2111	

ECON623 **Econometrics I**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have advanced knowledge of probability, statistics, and linear algebra. Restriction: Permission of BSOS-Economics department.

Topics covered include problems of specification, estimation, hypothesis testing, and prediction in linear models. Topics include: classical linear regression and ordinary least squares, generalized linear models and generalized least squares, identification and estimation of simultaneous equation models including discussion of two-stage and three-stage least squares and other instrumental variable estimation methods. Both finite and large sample analysis of econometric procedures will be covered, and there will also be discussion of general hypothesis testing principles including discussion of misspecification tests. In addition, the course will provide instructions on the use of a major statistical package such as Stata.

0101	Guido Kuersteiner	Seats (Total: 41)	
	TuTh 11:00am - 12:15pm	TYD 2109	
	W 5:30pm - 7:15pm	TYD 2102	Discussion

ECON625 **Computational Economics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON604 and ECON624. Credit only granted for: ECON625 or ECON698R. Formerly: ECON698R.

An examination of the specification, computation, estimation and interpretation of structural models that are widely used in Industrial Organization, and in a range of other applied microeconomic contexts (marketing and public, environmental, education and urban economics). The focus will be on the connections between these models and relevant economic theories, and on the details of their implementation in practice.

0101	Andrew Sweeting	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 0111

ECON626 **Empirical Microeconomics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON624. Restriction: Permission of BSOS-Economics Department.

An overview is provided of modern microeconometric methods with a focus on reduced form causal inference. Tools discussed include linear regression and selection on observables, instrumental variables including LATE and the role of heterogeneity in causal inference, difference-in-difference, regression discontinuity, synthetic control, matching, propensity score methods, and inverse probability weighted estimation. In addition, inferential issues such as weak instruments and techniques for robust standard errors, clustering, bootstrap and randomized inference are discussed, time permitting. The course places strong emphasis on relating statistical methods to substantive empirical applications. Each topic is introduced with an empirical paper that uses the technique. The discussion of technical material is at an intuitive level that focuses on applications and recommendations for empirical practice. The course offers an opportunity to work on a number of extended empirical exercises that are based on published papers and original data. Students practice working with data, implementing code in Stata and conducting their own empirical analysis. These exercises also offer practice in scientific writing relevant for empirical work.

0101	Guido Kuersteiner	Seats (Total: 23)	
	TuTh 5:00pm - 6:15pm M 5:00pm - 6:15pm	TYD 0101 TYD 1108	Discussion

ECON630 **Computational Methods in Macroeconomics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON602 and ECON601. Restriction: Must be in one of the following programs (Economics (Master's); Economics (Doctoral)) ; or permission of BSOS-Economics department.

Essential computational methods used in macroeconomics. There will be particular focus on approximating the solution to dynamic stochastic general equilibrium models. Methods for representative-agent and heterogeneous-agent models will be extensively studied. Econometric methods such as Generalized Method of Moments, Maximum Likelihood, Vector Autoregressions wil also be covered.

0101	Boragan Aruoba	Seats (Total: 16)
	MW 10:30am - 11:45am	TYD 0102

ECON635 **Experimental Economics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of instructor.

An introduction to the methodology of laboratory and field experiments. The course concentrates on a series of experiments to show how experiments build on one another, allowing researchers with different theoretical dispositions to narrow the range of potential disagreement.

0101	Erkut Ozbay	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TYD 0101

ECON637 **Decision Theory**

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Prerequisite: ECON603 and ECON604. Restriction: Must be in the Economics program; or must have completed ECON603 and ECON604 with a letter grade of B+ or better. Credit only granted for: ECON698B or ECON637. Formerly: ECON698B.

Decision making is a process in which we select a course of action among available options. This course will explore the various behavioral biases observed in decision making processes by adjusting our normative theories to capture these biases.

0101	Yusuf Masatlioglu	Seats (Total: 20)
	Th 9:30am - 12:15pm	TYD 0102

ECON641 **Microeconomic Analysis**

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in M.Prof.Studies: Applied Economics program; or permission of BSOS-Economics department. Credit only granted for: ECON641 or ECON506. Formerly: ECON506.

Microeconomic analysis applied to public policy problems with an emphasis on practical examples and how they illustrate microeconomic theories. Policy issues such as pollution, welfare and income distribution, market design, industry regulation, price controls, tax policy and health insurance are practical examples used to illustrate the abstract principles of microeconomics.

PCE1	Aaron Finkle	Seats (Total: 33)
	Tu 6:30pm - 9:15pm	TYD 2102
	Must be in Graduate Programs in Applied Economics, UMCP. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	
PR01	Wonjun Chang	Seats (Total: 23)
	Meets September 2, 2025 - November 21, 2025	
	M 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE Discussion
	Must be in Graduate Programs in Applied Economics, WDC. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly in-person, with weekly in-person meetings at the noted times. The weekly class meetings will be at 1400 16th Street, NW in Washington, DC. The online requirements will include mandatory weekly online discussions. Some additional online content may be required.	

PRW1	Filipe Lage de Sousa	Seats (Total: 27)	
	Meets September 2, 2025 - November 21, 2025		
	M 6:30pm - 9:15pm	ONLINE	
	Class time/details on ELMs	ONLINE	Discussion

Must be in Graduate Programs in Applied Economics, Online Format. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly online, with weekly synchronous online meetings that occur within the noted timeframe.

ECON642 Topics in Applied Macroeconomics

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in M.Prof.Studies: Applied Economics program; or permission of BSOS-Economics department.

Focus is on applied macroeconomic models used by federal agencies to explain and predict economic behavior. Course emphasizes macroeconomic data: NIPA accounts, GDP, construction and application of CPI, labor force data and economic indicators. Students will also study a selected set of current macroeconomic topics including models of economic growth, economic fluctuations, monetary policy, inflation and financial markets.

PCE1	Colin Caines	Seats (Total: 26)
	W 6:30pm - 9:15pm	TYD 0102

Must be in Graduate Programs in Applied Economics, UMCP. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.

ECON643 Empirical Analysis I: Foundations of Empirical Research

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ECON643 or ECON521. Formerly: ECON521.

Fundamental aspects of data management and interpretation emphasizing sampling, descriptive statistics, index numbers and construction of aggregated variables. Students will learn probability theory, confidence intervals, hypothesis testing and regression analysis using the EXCEL spreadsheet program and STATA statistical software.

PCE1	Carly Trachtman	Seats (Total: 33)
	Th 6:30pm - 9:15pm	TYD 2109

Must be in Graduate Programs in Applied Economics, UMCP. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.

PCE2	Christian Krestel M 11:00am - 1:45pm	Seats (Total: 15) HJP 2242	
PR01	Mohammad Jafari **Meets September 2, 2025 - November 21, 2025** Th 6:45pm - 9:30pm Class time/details on ELMs *Must be in Graduate Programs in Applied Economics, WDC. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly in-person, with weekly in-person meetings at the noted times. The weekly class meetings will be at 1400 16th Street, NW in Washington, DC. The online requirements will include mandatory weekly online discussions. Some additional online content may be required.*	Seats (Total: 23) Location: TBA ONLINE	Discussion
PRW1	John Straub **Meets September 2, 2025 - November 21, 2025** W 6:30pm - 9:15pm Class time/details on ELMs *Must be in Graduate Programs in Applied Economics, Online Format. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly online, with weekly synchronous online meetings that occur within the noted timeframe.*	Seats (Total: 27) ONLINE ONLINE	Discussion

ECON645 **Empirical Analysis III: Econometric Modeling and Forecasting**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON644. Restriction: Must be in MS Applied Economics program; or with permission from the program director. Credit only granted for: ECON645 or ECON523. Formerly: ECON523.

Advanced techniques in applied econometrics, emphasizing the implementation of modern econometric methods to analyze concrete economic problems, including hands-on work using STATA software. Topics include advanced panel data methods, including instrumental variables, matching, difference-in-differences, regression discontinuity, sample selection corrections, limited dependent variable models,and an introduction to time series models.

PCE1	Samuel Rowe W 6:30pm - 9:15pm *Must be in Graduate Programs in Applied Economics, UMCP. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.*	Seats (Total: 26) TYD 2109	

PR01	Ye Zhang **Meets September 2, 2025 - November 21, 2025** Tu 6:45pm - 9:30pm Class time/details on ELMs	Seats (Total: 23) Location: TBA ONLINE	 Discussion
	Must be in Graduate Programs in Applied Economics, WDC. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly in-person, with weekly in-person meetings at the noted times. The weekly class meetings will be at 1400 16th Street, NW in Washington, DC. The online requirements will include mandatory weekly online discussions. Some additional online content may be required.		
PRW1	Cristina Tello-Trillo **Meets September 2, 2025 - November 21, 2025** W 6:30pm - 9:15pm Class time/details on ELMs	Seats (Total: 27) ONLINE ONLINE	 Discussion
	Must be in Graduate Programs in Applied Economics, Online Format. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly online, with weekly synchronous online meetings that occur within the noted timeframe.		

ECON652 **Public Economics I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON604 and ECON624.

The foundations of public economics, taxation, inequality, and behavioral public economics are reviewed. Major topics include welfare economics, tax incidence, behavioral responses to tax incentives and the efficiency cost of taxation, optimal taxation, income and wealth inequality, optimal tax systems and tax evasion, capital taxation and business income taxes, and taxation and behavioral economics. The course material is aimed to give students an understanding of both the foundations and methods of modern public economics, and important recent advances in our understanding of public economics. This is the first course in the two-part Ph.D. sequence in public economics.

0101	Daniel Reck MW 11:00am - 12:15pm	Seats (Total: 20) TYD 1102

ECON670 **Financial Economics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON644. Restriction: Must be in M.Prof.Studies: Applied Economics program.

The course applies microeconomic theory and applied econometric techniques to the study of financial institutions and markets for financial assets. Students will learn how economists model and estimate the value of financial assets. The economic and empirical models are of interest to public policy makers and private wealth managers. Specific topics can include financial intermediation, the regulation of financial institutions, risk management, portfolio theory, the capital asset pricing model and the efficient markets hypothesis.

PRW1	Joonkyu Choi	Seats (Total: 27)	
	Meets September 2, 2025 - November 21, 2025		
	Tu 6:30pm - 9:15pm	ONLINE	
	Class time/details on ELMs	ONLINE	Discussion
	Must be in Graduate Programs in Applied Economics, Online Format. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly online, with weekly synchronous online meetings that occur within the noted timeframe.		

ECON673 Information, Game Theory and Market Design

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON644. Restriction: Must be in MS Applied Economics program; or with permission from the program director.

Focuses on the interplay between information and incentives among multiple agents across a wide variety of settings. Students will learn how to analyze, critique, and optimize decision-making processes according to noncooperative game theory. Examples can include real-world market practices such as duopolies, auctions, contracts, negotiations, signaling/screening, market design etc.

PR01	David Ovadia	Seats (Total: 23)	
	Meets September 2, 2025 - November 21, 2025		
	W 6:45pm - 9:30pm	Location: TBA	
	Class time/details on ELMs	ONLINE	Discussion
	Must be in Graduate Programs in Applied Economics, WDC. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly in-person, with weekly in-person meetings at the noted times. The weekly class meetings will be at 1400 16th Street, NW in Washington, DC. The online requirements will include mandatory weekly online discussions. Some additional online content may be required.		

ECON674 Economic Analysis of Law

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON644. Restriction: Must be in MS Applied Economics program; or with permission from the program director.

Applies microeconomic theory to the analysis of legal rules and institutions. Topics include property rights, externalities, contract theory, bargain theory, remedies, industrial organization, patents, damages, and antitrust.

PRW1	Yong Paek	Seats (Total: 27)	
	Meets September 2, 2025 - November 21, 2025		
	M 6:30pm - 9:15pm	ONLINE	
	Class time/details on ELMs	ONLINE	Discussion
	Must be in Graduate Programs in Applied Economics, Online Format. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly online, with weekly synchronous online meetings that occur within the noted timeframe.		

ECON675 Environmental Economics

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON644.

Application of microeconomics and econometrics to analysis of environmental regulation. Many examples based on US policies, but the methods are broadly applicable in other contexts.

PCE1	Hong Kim	Seats (Total: 26)
	M 6:30pm - 9:15pm	TYD 2106
	Must be in Graduate Programs in Applied Economics, UMCP. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

ECON683 International Macroeconomics and Finance

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON641 and ECON642; and must have completed or be concurrently enrolled in ECON644. Restriction: Must be in M.Prof.Studies: Applied Economics program.

Economic analysis of international macroeconomic issues and policy. Topics can include the study of exchange rates, balance of payments, international financial markets, international business cycles, contagion, and the roles played by international economic institutions.

PCE1	Mahsa Agha Gholizadeh	Seats (Total: 26)
	Tu 6:30pm - 9:15pm	TYD 2109
	Must be in Graduate Programs in Applied Economics, UMCP. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

ECON687 Economics Applications of R Programming

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed or be concurrently enrolled in ECON645. Restriction: Must be in Applied Economics Master of Science program; or permission of the program director.

Builds on the data analysis and econometric skills learned in the Empirical analysis sequence of ECON 643, 644, and 645. The STATA skills acquired in that sequence, such as basic data manipulation and econometric estimation, will be extended to the R programming language. The fundamentals of more advanced scientific programming--objects, data structures, loops, functions, simulation, parallel computing--will be introduced with applications to economics and the social sciences. Additional emphasis is placed on good coding practices and tools for version control and collaboration such as Git and R Markdown.

PCE1	Christian Krestel	Seats (Total: 26)
	Th 6:30pm - 9:15pm	TYD 2102
	Must be in Graduate Programs in Applied Economics, UMCP. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	
PR01	Christopher Adams	Seats (Total: 23)
	Meets September 2, 2025 - November 21, 2025	
	Th 6:45pm - 9:30pm Contact instructor or department for details.	Location: TBA
	Must be in Graduate Programs in Applied Economics, WDC. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly in-person, with weekly in-person meetings at the noted times. The weekly class meetings will be at 1400 16th Street, NW in Washington, DC. The online requirements will include mandatory weekly online discussions. Some additional online content may be required.	

ECON701 Advanced Macroeconomics I

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON602 and ECON601.

Recent developments in macroeconomics with an emphasis on topics and techniques useful for conducting research in macroeconomics. Topics include advanced treatment of fiscal and monetary policy issues; the role of imperfect competition; real, sectoral and nominal business cycle models.

0101	John Haltiwanger	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TYD 0102

ECON703 **Advanced Microeconomics I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON604 and ECON603.

A formal treatment of game theory and its microeconomic applications is presented. Equilibrium concepts for static and dynamic games, and games with complete and incomplete information are studied. Topics also discussed: the relation between games in strategic form and games in extensive form, equilibrium refinement, Bayesian games, multi-dimensional mechanism design, dominant strategy and Bayesian implementation, Nash-in-Nash bargaining solutions.

0101	Daniel Vincent	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TYD 1101

ECON708 **Advanced Topics in Applied and Theoretical Microeconomics**

(Perm req)

Credits: 2 Grading Method: Sat-Fail, Audit

Read, discuss, and analyze current topics in microeconomics, including public economics, environmental economics, labor economics, industrial economics, microeconomic theory, public choice and international trade. Specific topics covered will change from semester to semester depending on the students' and faculty's interests. Intended primarily for students beginning thesis research in economics.

0601	Sergio Urzua	Seats (Total: 45)
	MW 12:30pm - 1:45pm	TYD 2109

ECON709 **Advanced Topics in Applied and Theoretical Macroeconomics**

(Perm req)

Credits: 2 Grading Method: Sat-Fail, Audit

Read, discuss, and analyze current topics in macroeconomics, including asset pricing models, models of economic growth, investment, and the labor market. Specific topics covered will change from semester to semester depending on the students' and faculty's interests. Intended primarily for students beginning thesis research in economics.

0101	John Shea	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	TYD 4103

ECON721 **Econometrics III**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON624; or permission of BSOS-Economics department.

Oriented towards macro-econometric methods. Topics covered will be selected from the following: Further discussion of topics covered in ECON624, non-stationary time series models (models with deterministic trends, unit roots, co-integration, error correction models, vector autoregressive models), econometric models of conditional heteroskedasticity (ARCH and GARCH models), Bayesian econometrics and methods for Bayesian computation, large-dimensional factor analysis, models of changes in regime, and methods for time series forecasting.

0101	John Chao	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	TYD 2109

ECON741 **Advanced International Economics I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON601; or permission of BSOS-Economics department.

International Business Cycles; Exchange Rate Determination; Imperfect Financial Markets; Deviations from Full Information Rational Expectations; Monetary and Exchange Rate Policy

0101	Pierre De Leo	Seats (Total: 16)
	TuTh 2:00pm - 3:15pm	TYD 1108

ECON742 **Advanced International Economics II**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: ECON603; or permission of BSOS-Economics department.

Comparative advantage, Heckscher-Ohlin theory, specific-factors model, empirical verification, economies of scale, imperfect competition, commercial policy, factor mobility.

0101	Sebastian Galiani	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 1114

ECON771 **Advanced Labor Economics: Theory and Evidence**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON603 and ECON624; or permission of BSOS-Economics department. Restriction: Must be in the Economics Doctoral program.

Provides students the theoretical background and econometric tools to engage and conduct research in labor economics. The course highlights the importance of a good balance between theory and solid empirical work. The topics include human capital, empirical earning functions, labor demand, incentive, discrimination, minimum wage, labor supply, tasks and skills, and inequality. In addition, it goes over essential topics in applied economics, including selection bias, instrumental variables, structural vs. reduced-form analysis, dynamic discrete choice models, and unobserved heterogeneity. During the term, students work with different data sets.

0101	Judith Hellerstein	Seats (Total: 10)
	MW 9:00am - 10:15am	TYD 0102

ECON799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ECON808 **Workshop on Macroeconomics, International Macroeconomics and International Finance; Workshop in Applied Economics**

Credits: 2 Grading Method: Sat-Fail, Audit

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0101	Boragan Aruoba	Seats (Total: 40)
	W 3:30pm - 5:30pm	TYD 4103

ECON828 **Workshop in Econometrics**

Credits: 2 Grading Method: Sat-Fail, Audit

Current research in econometrics. Topics drawn from theoretical and applied econometrics. Special topics include: maximum likelihood and generalized method of moments estimation of linear and non-linear models, analysis of stationary and non-stationary time series, cross section time series estimation, spatial estimation mehtods, Bayesian methods, semi-and non-parametic methods, rational expectations models, numerical methods, and various applications.

0101	John Chao	Seats (Total: 20)
	M 3:30pm - 6:00pm	TYD 4103

ECON868 **Workshop in Industrial Organization, Microeconomic Theory and Behavioral and Experimental Economics**

Credits: 2 Grading Method: Sat-Fail, Audit

Workshops designed to provide a structured environment for our faculty and graduate students to meet regularly to discuss and present their research ideas.

0101	Yusuf Masatlioglu Tu 3:30pm - 5:30pm	Seats (Total: 40) TYD 4103

ECON878 **Workshop in Development, Labor and Public Economics**

Credits: 2 Grading Method: Sat-Fail, Audit

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0101	Jessica Goldberg Th 3:30pm - 5:30pm	Seats (Total: 40) TYD 4103

ECON898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Sat-Fail

Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services Fall 2025

EDCP108I **College and Career Advancement: Concepts and Skills; Academic Transitions to Internships**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Knowledge and skills designed to enhance college as a learning experience or preparation for life.

Restricted to students with less than 105 cumulative credits. Recommended for students who have never had an internship and are actively searching for one. Students participating in this course will engage in the full experience of searching for an internship Course registration is closed to graduating seniors.

0101	Marisha Addison **Meets September 2, 2025 - October 21, 2025** Class time/details on ELMs	Seats (Total: 40) ONLINE
0301	Erin Rooney-Eckel **Meets October 27, 2025 - December 8, 2025** Class time/details on ELMs	Seats (Total: 40) ONLINE

0401	Xiaotong Lu **Meets October 27, 2025 - December 8, 2025** Class time/details on ELMs	Seats (Total: 40) ONLINE
0501	Lizzy Solovey, Veronica Perrigan, Brianne Gridley **Meets October 27, 2025 - December 8, 2025** Class time/details on ELMs *Restricted to College of Engineering students only.*	Seats (Total: 30) ONLINE
0701	Piper Holly **Meets September 2, 2025 - October 21, 2025** Class time/details on ELMs *This section is restricted to CMNS students only.*	Seats (Total: 30) ONLINE
0901	Caroline Bodnar **Meets September 2, 2025 - October 21, 2025** Class time/details on ELMs *Restricted to College of Arts & Humanities students only.*	Seats (Total: 30) ONLINE

EDCP210 **Peer Counseling Skills and Mental Health Advocacy**

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Must not have completed EDCP310; and must not have completed PSYC433. Credit only granted for: EDCP210, EDCP310, or PSYC433.

Introduction to core helping skills in peer counseling settings and three predominant theoretical approaches used in the counseling field (humanistic, psychodynamic, cognitive-behavioral). The course also explores mental health stigma and advocacy. Students will build an understanding of the practical application of underlying principles and theory in counseling and the helping professions, while exploring their own, and societal, biases, assumptions, and attitudes toward mental health.

0101	Yijing Zhang, Jessica Momanyi MW 4:00pm - 5:15pm	Seats (Total: 18) ATL 0201
0201	Uma Balaji TuTh 12:30pm - 1:45pm	Seats (Total: 19) EDU 2102

0501	Taryn Thrasher	Seats (Total: 18)
	MW 11:00am - 12:15pm	EDU 3233

EDCP230 **The Science and Practice of Happiness and Psychological Well-Being**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSHS, DSSP

An introduction to theory and research on positive psychology, subjective well-being, and the psychology of happiness. This will include examination of hedonic and eudaimonic models of well-being and sociocultural understandings of happiness, together with how it relates to health, relationships, money, religion, work, and social media. Students will also explore common misconceptions and myths about happiness and well-being and will engage in a variety of activities designed to deepen their understanding of happiness in their own lives and broader societal trends related to well-being.

0101	Michelle Thomas	Seats (Total: 20)
	MW 12:30pm - 1:45pm	KNI 1206

EDCP298 **Special Problems in Counseling and Personnel Services**

Credits: 1-3 Grading Method: Regular, Pass-Fail

Individual instruction in special problems related to counseling, student leadership, and college student development.

Contact department for information to register for this course.

EDCP298Z **Special Problems in Counseling and Personnel Services; British Life and Society in a Cross-Cultural Context**

Credits: 3 Grading Method: Regular, Pass-Fail

Individual instruction in special problems related to counseling, student leadership, and college student development.

Contact department for information to register for this course.

EDCP386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular

Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department; and sophomore standing or higher.

Special EDCP form required.

Contact department for information to register for this course.

EDCP420 **Advanced Topics in Human Diversity and Advocacy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

This course will build upon students' knowledge of diversity in American society and will examine contemporary topics related to multiculturalism in educational and community contexts as well as strategies for advocacy in such venues.

0101	Brianna Ladd	Seats (Total: 20)
	MW 9:30am - 10:45am	Location: TBA

EDCP489 **Field Experiences in Counseling and Personnel Services**

(Perm req)

Credits: 1-4 Grading Method: Regular General Education: DVUP

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

Contact department for information to register for this course.

EDCP498 **Special Problems in Counseling and Personnel Services**

(Perm req)

Credits: 1-3 Grading Method: Regular

Available only to major students who have formal plans for individual study of approved problems.

Contact department for information to register for this course.

EDCP498T **Special Problems in Counseling and Personnel Services; Contextual Leadership-Teaching Assistant**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Available only to major students who have formal plans for individual study of approved problems.

0101	Tori Shay	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

EDCP610 **Professional Orientation**

Credits: 3 Grading Method: Regular, Audit

Survey of knowledge base and practices in counseling and personnel services specializations, professional ethics, credentialling relevant legislation, current issues.

For Student Affairs students only.

0101	Bridget Kelly	Seats (Total: 15)
	Tu 4:30pm - 7:15pm	EDU 3236
	Class time/details on ELMs	ONLINE
	Restriction: Must be a student in Student Affairs.	

0201	Natasha Wyatt M 4:15pm - 7:00pm *Limited to School Counseling Students.*	Seats (Total: 20) EDU 1315

EDCP614 **Counseling Skills: Introduction to Practicum**

Credits: 3 Grading Method: Regular, Audit

Corequisite: EDCP616.

Development and utilization of counseling skills.

0101	Jorinna Tran W 1:00pm - 3:50pm	Seats (Total: 20) EDU 2101

EDCP615 **Counseling I: Appraisal**

Credits: 3 Grading Method: Regular, Audit

Corequisite: EDCP618. Restriction: Must be in a major within EDUC-Counseling, Higher Education and Special Education department.

Collection and interpretation of appraisal data, synthesis of data through case study procedures. Development of interview skills.

0101	Jorinna Tran W 4:15pm - 7:00pm	Seats (Total: 16) EDU 3236

EDCP616 **Counseling II: Theory and Practice**

Credits: 3 Grading Method: Regular, Audit

Corequisite: EDCP614.

Counseling theories and the practices which stem from such theories.

For EDCP majors only.

0101	Jessica McKechnie Th 4:15pm - 7:00pm *Limited to Students in the Masters Program.*	Seats (Total: 22) EDU 2101

EDCP619B **Practicum in Counseling**

Credits: 3 Grading Method: Regular, Audit

Sequence of supervised counseling experiences of increasing complexity. Limited to eight applicants in advance. Two hours class plus laboratory.

0101	Carlton Green	Seats (Total: 4)
	Tu 1:00pm - 3:45pm Contact instructor or department for details.	Location: TBA
	Restricted to second-year Student Affairs masters students approved for Counseling Practicum participation.	

EDCP622 **Human Development in the Counseling Context**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDCP789X or EDCP622. Formerly: EDCP789X.

An examination of the development of individuals over the lifespan. A focus on human development theories and the ways in which those theories are utilized within the counseling process to promote optimal development of individuals and families across the lifespan.

0101	Ileana Gonzalez	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 2119

EDCP624 **Foundations of School Consultation and Collaboration I**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the School Psychology doctoral program. Credit only granted for: EDCP624 or EDCP635.

This course has the objective of equipping future generations to promote strengths, change, and prevention at multiple ecological levels in schools. The course focuses on the theoretical and empirical underpinnings of consultation which is conceptualized as a collaborative partnership with consultees. The practicum part of this course involves the opportunity to learn how to assess school culture in addition to the development of preliminary consultation skills via hands-on consultation experiences in a school as a novice consultant.

0101	Colleen O'Neal	Seats (Total: 5)
	M 9:00am - 12:00pm	ARC 1125

EDCP640 **School Psychology Seminar: Overview of the Specialty**

Credits: 1-2 Grading Method: Regular, Audit

Restriction: Must be in the School Psychology program; or permission of instructor.

Overviews the specialty of school psychology, including history of the specialty, roles and functions of school psychologists, and current professional issues related to the specialty.

0101	Colleen O'Neal	Seats (Total: 10)
	Tu 9:30am - 12:30pm	SPH 0301

EDCP641 **School Psychology Seminar: Professional Ethics**

Credits: 1-2 Grading Method: Regular, Audit

Restriction: Must be in the School Psychology program; or permission of instructor.

Overviews ethical issues in the specialty of school psychology.

0101	Colleen O'Neal	Seats (Total: 10)
	Contact instructor or department for details.	

EDCP652 **Research in Counseling**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the School Counseling program. Credit only granted for: EDCP652 or EDCP789Y. Formerly: EDCP789Y.

An exploration of basic and applied research, program evaluation, and associated measurement and evaluation skills crucial for professional school counselors.

0101	Ileana Gonzalez	Seats (Total: 16)
	Tu 4:15pm - 7:00pm	EDU 2102

EDCP682 **Counseling Psychology Didactic Practicum in Group Interventions**

Credits: 3 Grading Method: Sat-Fail

Prerequisite: For Counseling Psychology majors only. Cross-listed with: PSYC682. Formerly: EDCP718.

In depth examination of theories and techniques of group interventions; supervised experience in group counseling.

0101	Pepper Phillips	Seats (Total: 5)
	W 2:00pm - 5:00pm	Location: TBA

EDCP685 **Counseling Psychology Didactic Practicum in Counseling Supervision**

Credits: 3 Grading Method: Sat-Fail

Restriction: Must be in the Counseling Psychology program. Cross-listed with: PSYC685. Formerly: EDCP745.

In depth examinatin of theories and techniques of counseling supervision, supervised experience in the process of supervising counselors.

0101	Delida Sanchez	Seats (Total: 10)
	Tu 11:00am - 1:45pm	PLS 1111

EDCP695 **Ethical and Professional Issues in Counseling Psychology**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must be in the Counseling Psychology program. Also offered as: PSYC695. Credit only granted for: EDCP669, EDCP688, EDCP695, PSYC688, or PSYC695. Formerly: EDCP669 and EDCP688.

Exploration of ethical and professional issues in Counseling Psychology.

0101	Roger Worthington	Seats (Total: 10)
	W 1:00pm - 3:45pm	SQH 1125

EDCP697 **Multicultural Issues in Counseling Psychology**

Credits: 3 Grading Method: Regular

Prerequisite: Only open to Counseling Psychology majors. Credit only granted for: EDCP697, EDCP699, or PSYC697. Formerly: EDCP699.

Exploration of knowledge, attitudes and skills for providing counseling and psychological services to culturally diverse populations.

0101	Richard Shin	Seats (Total: 15)
	W 2:00pm - 5:00pm	SQH 2113

EDCP698 **Advanced Didactic Practicum in Counseling Psychology**

Credits: 3 Grading Method: Regular, Audit

In depth examination of approaches to or theories abouth intervention, and supervised experience in the application of those approaches or theories. Each practicum focuses on a particular approach, e.g., psychodynamic, cognitive-behavioral, cross-cultural.

0101	Roger Worthington	Seats (Total: 10)
	Th 3:00pm - 6:00pm	Location: TBA
	Limited to Counseling Psychology Students	

EDCP700 **Theories and Strategies of Counseling Psychology**

Credits: 3 Grading Method: Regular

Prerequisite: For Counseling Psychology majors only. Cross-listed with: PSYC700. Formerly: EDCP789J.

Introduction to the professional field, examination of pertinent scientific and philosophical backgrounds, and survey of the major theories, principles, and training models in counseling. Correlated laboratory analogue experiences in dydactic and group interrelationships.

0101	Terrill Taylor	Seats (Total: 10)	
	Tu 11:30am - 2:15pm	BPS 2130	
	Tu 2:30pm - 5:15pm	BPS 2130	Lab

EDCP717 **Evaluation of Research in Counseling**

(Perm req)

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.

Research on process and outcome in counseling. A review of research and appropriate research methodologies.

0101	Chunyan Yang	Seats (Total: 10)
	Th 9:00am - 11:45am	SPH 0301

EDCP738 **Practicum in Child Assessment**

Credits: 3 Grading Method: Regular, Audit

Administration of complete test batteries to children; supervision of initial interviews; test administration and scoring; interpretation and synthesis of test battery and interview material; the psychological report; verbal interpretation of test results; and recommendations. Taken initially with EDCP 633; repeated with EDCP 634 in the subsequent semester.

0101	Megan Vaganek	Seats (Total: 7)
	Tu 5:45pm - 8:45pm	SEN 1102M

EDCP741 **Multicultural Practice in Student Affairs: Self, Education, and Society**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDCP771. Credit only granted for: EDCP741 or EDCP789Z. Formerly: EDCP789Z.

Develop knowledge and skills in the area of multicultural practice in student affairs through the examination of oppression, power, and privilege and how these dynamics impact individuals, educational institutions, and societies.

0101	Christopher Travers	Seats (Total: 20)
	Th 2:00pm - 4:45pm	BPS 1234

EDCP746 **Clinical Supervision of Pupil Personnel Services**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Advanced Doctoral Students Only. Restriction: Permission of instructor.

Supervision of role of psychologists and counselors in school settings; applied skills in supervision of services.

0101	Chunyan Yang Th 12:15pm - 3:00pm	Seats (Total: 10) SPH 0301

EDCP772 **Research in Student Affairs**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: EDCP656; or permission of instructor. Restriction: Must be in the College Student Personnel program.

Research designs and approaches to research in student development and higher education. Development of research for research competency or dissertation proposal.

0101	Bridget Kelly Th 4:45pm - 7:30pm Class time/details on ELMs	Seats (Total: 7) JMZ 1226 ONLINE

EDCP774 **Advanced Seminar in Theories of College Student Development**

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Prerequisite: EDCP771; or students who have taken courses with comparable content may contact the department.

An opportunity for in-depth study, dialogue, and reflection about theoretical frameworks for understanding the development of college students. Specific attention is given to enhancing knowledge and understanding of the development of students when social identities and their intersections are considered.

0101	Candace Moore Th 4:45pm - 7:30pm Class time/details on ELMs	Seats (Total: 12) ASY 3217 ONLINE

EDCP789R **Advanced Topics in Counseling and Personnel Services; College Teaching Seminar**

(Perm req)

Credits: 1-6

Grading Method: Regular, Audit

0101	Michelle Espino Contact instructor or department for details.	Seats (Total: 5)

5101	Candace Moore	Seats (Total: 2)
	Contact instructor or department for details.	

EDCP798 **Special Problems in Counseling and Personnel Services**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master's AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisers may register for credit under this number.

Contact department for information to register for this course.

EDCP798A **Special Problems in Counseling and Personnel Services; Research Design and Proposal Writing Seminar**

Credits: 3 Grading Method: Regular, Audit

Master's AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisers may register for credit under this number.

0101	Michelle Espino	Seats (Total: 10)
	W 1:00pm - 3:45pm	SQH 1123

EDCP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Registration required to the extent of six hours for Master's thesis.

Contact department for information to register for this course.

EDCP870 **Professional Issues Seminar**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDCP656 or EDCP870. Formerly: EDCP656.

Examination of issues that bear on professional issues such as ethics, inter-professional relationships and research.

For Student Affairs Doctoral Students Only.

0101	Jeongeun Kim	Seats (Total: 10)
	M 1:00pm - 4:00pm Class time/details on ELMs	SQH 1125 ONLINE

EDCP879 **Internship in School Counseling**

Credits: 4-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

0101	Jessica McKechnie Th 7:00pm - 9:45pm	Seats (Total: 16) EDU 2101

EDCP888 **Apprenticeship in Counseling and Personnel Services**

(Perm req)

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

EDCP888A **Apprenticeship in Counseling and Personnel Services; College Student Personnel**

Credits: 3 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

0101	Kristan Skendall, Marsha Guenzler-Stevens Contact instructor or department for details.	Seats (Total: 10)
5101	Candace Moore Contact instructor or department for details.	Seats (Total: 5)
7001	Julie Park Contact instructor or department for details.	Seats (Total: 5)

EDCP888C **Apprenticeship in Counseling and Personnel Services; School Psychology**

Credits: 1-8 Grading Method: Regular

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

0201	Hedwig Teglasi W 12:00pm - 3:00pm	Seats (Total: 15) JMZ 1226
3901	Cixin Wang Contact instructor or department for details.	Seats (Total: 10)

EDCP889 **Internship in Counseling and Personnel Services; Internship in Counseling and Personnel Services**

Credits: 1-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDCP889C **Internship in Counseling and Personnel Services**

(Perm req)

Credits: 1-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

0101	Jioni Lewis Contact instructor or department for details.	Seats (Total: 5)
0102	Cixin Wang Contact instructor or department for details.	Seats (Total: 10)
7601	Richard Shin Contact instructor or department for details.	Seats (Total: 5)

EDCP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Registration required to the extent of 12-18 hours for a Ph.D. Dissertation.

Contact department for information to register for this course.

EDHD Education, Human Development Fall 2025

EDHD200 **Paradigms and Perspectives in Human Development**

Credits: 3 Grading Method: Regular

Restriction: Must have 45 or fewer credits; or must be in the Human Development program or Human Development minor.

An introduction to the paradigms and perspectives that guide the study of human development across the lifespan in cognitive, social, physical and emotional domains. Topics of study include overlying principles, concepts, assumptions, theoretical frameworks, and research methods that influence ways in which development is conceptualized. The course is designed to provide insight into major questions of the day in human development and how these prevailing perspectives have evolved over time. This course will also help students understand how knowledge of theory and research is translated into practice in a variety of professional settings.

0201	Lucas Butler TuTh 12:30pm - 1:45pm	Seats (Total: 40) EDU 2119
0401	Emily Neer MW 9:30am - 10:45am	Seats (Total: 40) EDU 1107
0501	Emily Neer MW 11:00am - 12:15pm	Seats (Total: 40) EDU 1107

EDHD201 **Learning How to Learn**

Credits: 3 Grading Method: Regular General Education: DSHS

Immerses students in the theoretical and empirical study of learning by engaging them in orchestrated experiences and activities drawn directly from the disciplinary research. Students achieve deep understanding of their own learning, as well as the means of enhancing that learning both in school and out-of-school contexts.

0101	Patricia Alexander MW 11:00am - 12:15pm	Seats (Total: 60) ESJ 2309
0201	Muhammad Fusenig TuTh 2:00pm - 3:15pm	Seats (Total: 30) EDU 3315
FC01	Alina Maki TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 23) TWS 0234

EDHD210 **Foundations of Early Childhood Education**

(Perm req)

Credits: 3 Grading Method: Regular CORE: HO General Education: DSHS

Restriction: Permission of EDUC-Human Development and Quantitative Methodology department.

Students explore historical and current research in early childhood education, primary models of curriculum and pedagogy in the field, and the relationship between critical aspects of young children's development and the creation of inclusive learning opportunities for all children, including children at risk. The concept of developmentally appropriate practice and its application across different developmental levels and early childhood classrooms will be introduced and connected with discussion in EDHD220 and EDSP211. Students examine issues in developing and implementing high quality early childhood education experiences for young children with and without disabilities, including the influence of family, culture, and community, the needs of children at risk (e.g., poverty, immigrant status, English Language Learners), and the role of assessment in early learning.

0101	Jennifer Smallwood-Holmes Th 1:00pm - 3:45pm	Seats (Total: 25) EDU 1107	

EDHD220 **Exploring Early Childhood General and Special Education**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Permission of EDUC-Human Development and Quantitative Methodology department.

Students who are considering a career in education will consider information about the teaching profession. Students reflect on their personal strengths, identify areas of growth, and examine their predisposition to work with young children with and without disabilities. They will discuss the nature of teaching, the moral and philosophic underpinnings that influenced their decision to enter into the teaching professions, as well as the roles and responsibilities of teachers and the characteristics and qualities for effective teachers (teaching styles and teacher's primary role in the classroom).

0101	Amanda Schwartz Tu 2:00pm - 4:00pm M 8:00am - 12:00pm	Seats (Total: 6) EDU 1315 Location: TBA	Lab
0102	Amanda Schwartz Tu 2:00pm - 4:00pm Tu 8:00am - 12:00pm	Seats (Total: 7) EDU 1315 Location: TBA	Lab
0103	Amanda Schwartz Tu 2:00pm - 4:00pm Th 8:00am - 12:00pm	Seats (Total: 6) EDU 1315 Location: TBA	Lab
0104	Amanda Schwartz Tu 2:00pm - 4:00pm F 8:00am - 12:00pm	Seats (Total: 6) EDU 1315 Location: TBA	Lab

EDHD228 **Research Experiences in Human Development**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSSP

Provides students with hands-on participation in faculty-supervised laboratory research activities in the Department of Human Development & Quantitative Methodology. Students will learn about the purpose of scientific research and engage in activities that advance their knowledge and skills with regard to its ethical practice.

Contact department for information to register for this course.

EDHD230 Human Development and Societal Institutions

Credits: 3 | Grading Method: Regular | CORE: SB, D | General Education: DSHS, DVUP

Development of the individual in the context of relationships with the formal and informal institutions of society. An examination of various aspects of development from the broad perspective of the social sciences.

0201	Jennie Lee-Kim Th 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 40) TWS 1310 ONLINE
FC01	Jannah Fusenig MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection*	Seats (Total: 25) KNI 1105

EDHD231 Inside 21st Century Creativity: How Creative Ideas, Concepts, and Products are Generated

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHS, SCIS

Mechanisms of the creative mind. Psychological, social, sociological, developmental, cultural, educational, genetic and neural based roots of creativity.

0101	Emily Neer TuTh 11:00am - 12:15pm	Seats (Total: 50) ESJ 0215

EDHD306 Research Methods in Human Development

Credits: 3 | Grading Method: Regular | General Education: FSAR

Addresses the scientific concepts and principles central to the study of human behavior and development. Students will learn about basic research methods in studying human behavior in developmental context and will participate in experiential activities, such as conducting observations and collecting self-report data. Major themes: goals of developmental research, fundamental research designs, types of measurement, elements of good scientific writing, and ethical issues in the study of human development.

0101	Marieh Arnett MW 2:00pm - 3:15pm	Seats (Total: 40) EDU 2119

0201	Richard Prather TuTh 9:30am - 10:45am	Seats (Total: 40) EDU 1121
0401	Marieh Arnett MW 11:00am - 12:15pm	Seats (Total: 40) ASY 3203

EDHD314 Reading in the Early Childhood Classroom

Credits: 3 Grading Method: Regular

Prerequisite: EDHD210, EDHD220, and EDSP211. Corequisite: EDHD425; and corequisite: EDHD419 or EDSP420. Restriction: Must be enrolled in Professional Early Childhood/Early Childhood Special Education Program; and minimum cumulative GPA of 2.75.

Early childhood students introduced to current research/methods on teaching language arts. Focus on development of linguistic and cognitive processes in emergent literacy and beginning reading and writing. Application to models for the instruction and assessment of reading/writing in preschool-aged children. Also includes material on classroom-based interventions for young children at risk of reading failure due to learning difficulties. Includes Field Experiences.

Restricted to major code 0822P.

0101	Donald Bolger Th 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 35) SQH 1117

EDHD319 Selected Topics in Human Development

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in human development in relation to contemporary culture.

Contact department for information to register for this course.

EDHD320 Human Development Through the Life Span

Credits: 3 Grading Method: Regular, Audit General Education: DSHS

Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.

0201	Marley Forbes MW 9:30am - 10:45am	Seats (Total: 40) EDU 1121
0301	Olga Walker Th 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 78) ESJ 2212 ONLINE

0501	Christina Edmonds MW 11:00am - 12:15pm	Seats (Total: 40) EDU 2119
0601	Min Wang Tu 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 38) EDU 3315 ONLINE
0801	Megan Hurley TuTh 9:30am - 10:45am	Seats (Total: 40) ONLINE

EDHD322 The Young Child as Mathematician

Credits: 3 Grading Method: Regular

Prerequisite: EDSP423, EDHD431, and EDSP315; and track 1: Must have completed EDSP 430, EDSP 433; OR Track 2: Must have completed EDHD415, EDHD 424. Corequisite: EDHD323, EDSP321, EDSP417, EDHD441, EDHD442, EDHD443, and EDHD444. Restriction: Must be in the Professional Early Childhood/Early Childhood Special Education program; and senior standing or higher; and minimum cumulative GPA of 2.75.

Provides a theoretical and instructional framework for mathematics instruction in early childhood classrooms. Development of understanding of early childhood mathematics that emphasizes how and in what environment young children learn mathematics. Current thinking about both content and instructional strategies for mathematics curriculum, including identification and review of standards and expectations for learning outcomes for all children. Assessment strategies for evaluating all children will be addressed. Includes Phase 1 Field Experience.

Restricted to major code 0822P.

0101	Jimena Cosso W 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 35) EDU 2121

EDHD323 Children Study their World

Credits: 3 Grading Method: Regular

Prerequisite: EDSP423, EDHD431, and EDSP315; and track 1: Must have completed EDSP430, EDSP433; or Track 2: Must have completed EDHD415, EDHD424. Corequisite: EDHD322, EDSP417, EDHD441, EDHD443, EDHD442, EDHD444, and EDSP321. Restriction: Must be in the Professional Early Childhood/Early Childhood Special Education program; and senior standing or higher; and minimum cumulative GPA of 2.75.

Provides theoretical and instructional framework for social studies instruction in inclusive early childhood classrooms. Course will reflect current thinking about content and instructional strategies for social studies curriculum; identification and review of standards/expectations for learning outcomes for all children; assessment strategies for evaluating of social studies objectives; use of data driven instruction to support all children; observation of children's understanding of their social world in field placements; opportunities to explore these understandings through interviews with children and the implementation of activities. Includes Phase 1 Field Experience.

Restricted to major code 0822P.

0101	Amanda Schwartz W 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 35) EDU 3315

EDHD386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of EDUC-Human Development and Quantitative Methodology department; and junior standing or higher.

Contact department for information to register for this course.

EDHD390 **Career Paths and Internship Preparation in Human Development**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Human Development major.

Prepares degree candidates in Human Development for career paths in the field including initial job seeking skills, knowledge necessary for entry into various professions and preparation for the program internship requirement

0101	Olga Walker Tu 2:00pm - 2:50pm Class time/details on ELMs *Restricted to students in the Human Development major.*	Seats (Total: 30) EDU 1121 ONLINE

EDHD398 **Internship in Human Development**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail, Audit

A supervised internship providing opportunities to integrate theory and practice to get hands-on applied or research experience in the field of human development.

Contact department for information to register for this course.

EDHD402 **Social Development**

Credits: 3 Grading Method: Regular, Pass-Fail

Recommended: EDHD411.

Social Development. Critical concepts and ideas of the study of child and adolescent social development. Focus on changes in interpersonal relationships, emotions, achievement-related behavior and competence, and functioning within the broader social context.

0101	Alexus Ramirez TuTh 11:00am - 12:15pm	Seats (Total: 40) EDU 2119
0401	Natasha Cabrera W 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 40) TWS 0201 ONLINE

EDHD411 Child Growth and Development

Credits: 3 Grading Method: Regular, Audit General Education: DSHS

Theoretical approaches to and empirical studies of physical, psychological and social development from conception to puberty. Implications for home, school and community.

0101	Geetha Ramani MW 11:00am - 12:15pm	Seats (Total: 40) SQH 1103
0201	Christina Edmonds MW 12:30pm - 1:45pm	Seats (Total: 40) EDU 2119

EDHD412 Infant Development

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

Infant development across domains, including perceptual, motor, cognitive, language, social and emotional functioning from pre-natal through third year of life.

0201	Rumeyza Karan MW 2:00pm - 3:15pm	Seats (Total: 40) EDU 1107
0301	Lisa Davis Th 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 40) EDU 1121 ONLINE

EDHD413 Adolescent Development

Credits: 3 Grading Method: Regular General Education: DSHS

Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study.

0101	Stephen Gibson TuTh 11:00am - 12:15pm	Seats (Total: 40) EDU 1121
0201	Suzanne Muir TuTh 9:30am - 10:45am	Seats (Total: 40) EDU 2119

EDHD414 **Development of the Scientific Mind Across the Lifespan**

Credits: 3 Grading Method: Regular, Pass-Fail

Recommended: EDHD320.

Study of the educational, cognitive, social, and cultural factors that underlie the development of the scientific mind across the lifespan.

0101	John Robertson TuTh 12:30pm - 1:45pm	Seats (Total: 40) TWS 0223

EDHD420 **Cognitive Development and Learning**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: EDHD320, EDHD411, PSYC341, or PSYC355; or permission of EDUC-Human Development and Quantitative Methodology department.

Current developmental theories of cognitive processes such as language, memory, and intelligence and how differences in cognitive level (infancy through adolescence) mediate learning of educational subject matters.

0101	Lucas Butler, Teresa Garcia TuTh 9:30am - 10:45am	Seats (Total: 40) EDU 1107

EDHD425 **Language Development and Reading Acquisition**

Credits: 3 Grading Method: Regular, Audit

This course focuses on young children's language development and the relationship between language and reading acquisition. Students will learn: concepts central to language development; language achievements at different ages; concepts of emergent literacy; models of reading acquisition and skilled reading.

0101	Min Wang Tu 1:00pm - 3:45pm *Restricted to major code 0822P. Restricted to students in the Early Childhood/Early Childhood Special Education program.*	Seats (Total: 35) EDU 1107

0301	Michaela Brooks, Rachel Romeo MW 2:00pm - 3:15pm	Seats (Total: 40) TWS 0234

EDHD440 **Adult Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

Prerequisite: EDHD320; or permission of EDUC-Human Development and Quantitative Methodology department. Recommended: EDHD413.

Major conceptual approaches to the study of adult development including physical, cognitive, social, emotional and self processes that take place within individuals as they progress from emerging adulthood through middle age.

0101	Olga Walker Tu 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 40) SQH 1103 ONLINE

EDHD441 **Data Driven Decision Making in EC/ECSE**

Credits: 1 Grading Method: Regular

Prerequisite: Minimum grade of C- in EDSP423, EDHD431, and EDSP315; and TRACK I: Must have completed EDSP430 and EDSP433 or TRACK 2: Must have completed EDHD415 and EDHD424. Corequisite: EDHD322, EDHD323, EDSP321, EDSP417, EDHD442, EDHD443, and EDHD444.

Students will be exposed to formative (e.g., classroom based, ongoing) and summative (e.g., standardized testing) assessments. Students will collect and analyze formative assessment data from their internship classrooms as the bases of planning and delivering instruction to meet the diverse needs of all learners. They will also analyze standardized assessment data to gain an understanding of measures used to determined cross-school and cross-teacher effectiveness. Includes Phase I field experience.

Meets 10/20 (in person 10am-12pm, online 4:15-6pm), 10/27, 11/3.

0101	Christy Tirrell-Corbin **Meets October 13, 2025 - November 3, 2025** M 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 35) TWS 1106

EDHD442 **Interventions for Children with Behavioral Challenges**

Credits: 1 Grading Method: Regular

Prerequisite: Minimum grade of C- in EDSP423, EDHD431, and EDSP315; and TRACK I: Must have completed EDSP430 and EDSP 433; or TRACK 2: Must have completed EDHD415 and EDHD 424. Corequisite: EDSP321, EDSP417, EDHD322, EDHD323, EDHD441, EDHD443, and EDHD444.

Students will expand knowledge of and develop skills to address challenging behaviors in inclusive early childhood classrooms. Students examine the causes underlying challenging behaviors during the early childhood years, and identify appropriate resources and support services for working with families to develop a unified approach when responding to behavioral challenges. Includes Phase I field experience.

Class meets 9/8, 9/15, 9/22, 9/29.

0101	Christy Tirrell-Corbin	Seats (Total: 35)
	Meets September 8, 2025 - September 29, 2025	
	M 10:00am - 12:00pm	TWS 1106
	Contact instructor or department for details.	

EDHD443 Interventions for Children with Social and Communication Challenges

Credits: 1 Grading Method: Regular

Prerequisite: Minimum grade of C- in EDSP423, EDHD431, and EDSP315; and TRACK I: Must have completed EDSP430 and EDSP 433; or TRACK 2: Must have completed EDHD415 and EDHD 424. Corequisite: EDHD322, EDSP321, EDSP417, EDHD323, EDHD441, EDHD442, and EDHD444.

Students will learn about the characteristics of children with autism spectrum disorder, pervasive developmental disorder, social communication disorder, and other related challenges and will be equipped to meet the needs of this group of children in the early childhood classroom. The utilization of Universal Design for Learning (UDL), Response to Intervention (RTI) and other early childhood special education approaches, as they apply to this specific group of children, will be addressed. Interventions designed to improve the functioning of children with autism spectrum disorders and related disorders will be reviewed. Includes Phase I field experience.

Class meets 11/10, 11/17, 11/24, 12/8.

0101	Christy Tirrell-Corbin	Seats (Total: 35)
	Meets November 10, 2025 - December 8, 2025	
	M 10:00am - 12:00pm	TWS 1106
	Contact instructor or department for details.	

EDHD444 Action Research in EC/ECSE

Credits: 1 Grading Method: Regular

Prerequisite: Minimum grade of C- in EDSP423, EDHD431, and EDSP315; and track 1: Must have completed EDSP430 and EDSP433; OR Track 2: Must have completed EDHD415 and EDHD424. Corequisite: EDHD322, EDHD323, EDHD441, EDHD442, EDHD443, EDSP417, and EDSP321.

Students will become familiar with the EC/ECSE research process, literature and how teachers use action research to improve pedagogy and the experiences of children in classrooms or home-based contexts. Students will utilize this knowledge, as well as either a goal in an Individualized Education Plan (IEP) or Individualized Family Service Plan (IFSP) or School Improvement Plan (SIP), to develop an action research study commenced during the following semester. Includes Phase I field experience.

Class Meets 9/8, 9/29, 11/3, 12/8.

0101	Stephanie Varner M 4:15pm - 6:15pm Contact instructor or department for details.	Seats (Total: 35) EDU 1121

EDHD460 **Educational Psychology**

Credits: 3 Grading Method: Regular, Audit General Education: DSHS

Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department.

Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings.

0301	Margaret Logan Th 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 40) SQH 1105 ONLINE
0401	Lauren Trakhman TuTh 6:30pm - 7:45pm	Seats (Total: 40) ONLINE

EDHD474 **Human Development Honors Seminar**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Human Development Honors program.

This seminar will have three overarching goals: (1) expose students to fundamental research questions in human development; (2) create professional development opportunities through invited speakers and (3) communicate an understanding of diversity, equity, and inclusion in all aspects of the research process.

0101	Melanie Killen Th 1:00pm - 3:45pm	Seats (Total: 20) EDU 2101

EDHD475H **Human Development Honors Thesis Preparation Course**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: EDHD474. Restriction: Must be in the Human Development Honors program.

This is an individual instruction course with the thesis faculty advisor. In this course, students will work towards writing and completing their honors thesis, which will include a review of relevant literature, the rationale for the research project, research questions, methods for data collection, analysis plan, results, and a discussion of the findings. Faculty advisors will communicate the goals of the major surrounding issues of diversity, equity, and inclusion.

Contact department for information to register for this course.

EDHD488D **Special Topics in Human Development; Parenting, Fathering and Child Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special and intensive treatment of current topics and issues in human development.

This course will explore how fathers have distinct impacts on children's development and what it means to be a father in contemporary society.

0101	Natasha Cabrera	Seats (Total: 25)
	W 2:00pm - 3:15pm	TWS 1106
	Class time/details on ELMs	ONLINE

EDHD489 **Field Experiences in Human Development**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Planned field experience (internship or research-based activities) related to Human Development. Credit not to be granted for experiences accrued prior to registration.

Contact department for information to register for this course.

EDHD498 **Special Research Problems in Human Development**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Exploration of current research problems in the study of human development. Available only to students who have definite plans for individual study of approved research problems. Credit according to extent of work.

Contact department for information to register for this course.

EDHD718 **Apprenticeship in College Teaching; Apprenticeship in College Teaching**

(Perm req)

Credits: 1 Grading Method: Regular

For graduate students teaching autonomously for the first, second, or third tiem at the University of Maryland, College Park; not intended for teaching assistants. This course provides graduate student teachers with a set of structured experiences that foster professional growth and development in the role of college instructor. Includes seminars on the scholarship of college teaching and principles of optimal college classroom environments, peer and faculty in-class observations of teaching, and guided reflective analysis of experience in the classroom.

0101	Jennie Lee-Kim	Seats (Total: 10)
	F 1:00pm - 3:30pm	EDU 2101

EDHD721 **Cognitive Development and Learning: An Introduction**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Introductory survey into contemporary theory and research in cognitive development; applications to classroom learning.

0101	Richard Prather	Seats (Total: 20)
	Tu 12:30pm - 3:15pm	ARC 1103

EDHD779A **Selected Topics in Human Development; How to Write More and Write Better: An Academic Writing Seminar**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

This course focuses on topics of current significance in human development research. Topics covered change each semester, and vary by instructor.

0101	Geetha Ramani	Seats (Total: 20)
	M 1:00pm - 3:45pm	EDU 2102

EDHD789 **Internship in Human Development**

(Perm req)

Credits: 3-8 Grading Method: Regular, Audit

Internship experience in one or more human service agencies in the community.

Contact department for information to register for this course.

EDHD798 **Laboratory in Human Development**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Independent research supervised by an instructor in a research setting.

Limited to human development majors.

Contact department for information to register for this course.

EDHD799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Registration required to the extent of six hours for master's thesis.

Limited to human development majors.

Contact department for information to register for this course.

EDHD888 **Apprenticeship in Human Development Research**

(Perm req) Credits: 1-8 Grading Method: Regular, Audit

Apprenticeship in Human Development research.

Contact department for information to register for this course.

EDHD889 **Practicum in Human Development**

(Perm req) Credits: 3-8 Grading Method: Regular, Audit

Field experience in applied human development at a professional level of competence in a particular role with appropriate supervision.

Contact department for information to register for this course.

EDHD898 **Pre-Candidacy Research**

(Perm req) Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDHD899 **Doctoral Dissertation Research**

(Perm req) Credits: 6 Grading Method: Sat-Fail

Registration required to 12-18 hours for a Ph.D. dissertation.

Limited to human development majors.

Contact department for information to register for this course.

EDHI Education Leadership, Higher Ed and International Ed Fall 2025

EDHI489 **Field Experiences in Education**

(Perm req) Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

Contact department for information to register for this course.

EDHI498 **Special Problems in Education**

(Perm req) Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Available only to students who have definite plans for individual study of approved problems.

Contact department for information to register for this course.

EDHI605 **Comparative Education**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI605, EDPL605, or EDPS605. Formerly: EDPL605.

Analyzes and compares leading issues in education in various countries of the world, particularly as they relate to crucial problems in American education.

0101	Zeena Zakharia Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 3236

EDHI606 **Political Economy of Education in a Global Context**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI606, EDPL606, or EDPS606. Formerly: EDPL606.

Examination of alternative economics perspectives and their implications for education policy and practice internationally, from local to global levels. The connection of education to issues of development, inequality, poverty, gender, and race will be discussed.

0101	Steven Klees Tu 4:15pm - 7:00pm Class time/details on ELMs	Seats (Total: 20) EDU 3233 ONLINE

EDHI650 **Professional Seminar in Higher and Adult Education**

Credits: 3 Grading Method: Sat-Fail

Credit only granted for: EDHI650, EDPL650, or EDPS650. Formerly: EDPL650.

Introduction to higher and adult education as a field of study. Origins, current dimensions and problems, and emerging issues. Field trips to state and national capitols, and involvement in professional conferences.

0101	Sharon Fries-Britt Th 4:15pm - 7:00pm Class time/details on ELMs	Seats (Total: 20) EDU 2102 ONLINE

EDHI652 **Higher Education in American Society**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI652, EDPL652, or EDPS652. Formerly: EDPL652.

Examines the concepts of academic freedom, corporate autonomy and institutional accountability with emphasis on twentieth century relationships between higher education and government in the United States.

0101	Ashley Ogwo W 4:15pm - 7:00pm Class time/details on ELMs	Seats (Total: 15) EDU 3233 ONLINE

EDHI672 **Modes of Inquiry in Education Research**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a program in the Counseling, Higher Education, or Special Education department; or permission of the instructor. Credit only granted for: EDHI672 or EDPS672.

Introduction to modes of inquiry appropriate to research on issues and problems in education. Examination of qualitative, quantitative and mixed research methods and designs with a focus on related standards of quality.

0101	Steven Klees	Seats (Total: 20)
	M 7:00pm - 9:45pm	EDU 1121
	Class time/details on ELMs	ONLINE

EDHI679 **Master's Seminar**

Credits: 3 Grading Method: Regular, Audit

Directed study for master's degree students writing seminar papers.

Contact department for information to register for this course.

EDHI689 **Practicum In Educational Administration and Supervision**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Promotes skill development in managerial, leadership and supervisory areas. Practicum is based on results of diagnostic instruments and an individual professional development plan.

Contact department for information to register for this course.

EDHI750 **International Higher Education**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI750, EDPL750, or EDPS750. Formerly: EDPL750.

Comparison of higher education systems in several countries, and of the problems and issues in higher education faced by these countries.

0101	Jing Lin	Seats (Total: 20)
	M 4:15pm - 7:00pm	SQH 1105

EDHI788A **Special Topics in Education Policy and Administration; Intro to Modeling Student Outcomes in Higher Education**

Credits: 1-3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

0101	Awilda Rodriguez Tu 4:00pm - 7:00pm	Seats (Total: 15) EDU 3315

EDHI788W **Special Topics in Education Policy and Administration; Doctoral Seminar**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit, Sat-Fail

Special and intensive treatment of current topics and issues in education policy and administration.

This seminar provides structured support and instruction for students at various points in their dissertation development.

0101	Zeena Zakharia W 12:00pm - 2:45pm	Seats (Total: 12) WDS 1127

EDHI789 **Doctoral Practicum in Administration and Supervision**

Credits: 1-3 Grading Method: Sat-Fail

Experiential activities designed to enhance student skills. Based on Individual Professional Development Plan for each student.

Contact department for information to register for this course.

EDHI798 **Special Problems in Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

Contact department for information to register for this course.

EDHI799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

EDHI888 **Apprenticeship in Education**

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

0101	Sharon Fries-Britt Contact instructor or department for details.	Seats (Total: 5)
2301	Ashley Ogwo Contact instructor or department for details.	Seats (Total: 5)

2701	Marvin Titus Contact instructor or department for details.	Seats (Total: 5)
2801	Jeongeun Kim Contact instructor or department for details.	Seats (Total: 5)
3201	Awilda Rodriguez Contact instructor or department for details.	Seats (Total: 5)

EDHI889 **Internship in Education**

(Perm req)

Credits: 3-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDHI898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDHI899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. Dissertation.

Contact department for information to register for this course.

EDMS Measurement, Statistics, and Evaluation — Fall 2025

EDMS451 **Introduction to Educational Statistics**

Credits: 3 Grading Method: Regular, Audit General Education: FSAR

Restriction: Sophomore standing or higher.

Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

0101	Tracy Sweet MW 2:00pm - 3:15pm	Seats (Total: 80) ESJ 1202

EDMS623 **Applied Measurement: Issues and Practices**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDMS410. And EDMS645; or students who have taken courses with comparable content may contact the department.

Measurement theory and its application at an intermediate level; test development, validation and interpretation; issues and recent developments in measurement.

0101	Hong Jiao	Seats (Total: 25)
	Th 4:15pm - 7:00pm	EDU 2119

EDMS645 **Quantitative Research Methods I**

Credits: 3 Grading Method: Regular, Audit

Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.

0101	Weimeng Wang	Seats (Total: 30)
	W 4:15pm - 7:00pm	LEF 1220

EDMS646 **General Linear Models I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDMS645; or an equivalent introductory statistics course.

A first post-introductory inferential statistics course, with emphasis on analysis of variance procedures and designs from within the general linear modeling framework. Assignments include student analysis of education and related data; application of statistical software packages is emphasized.

0101	Yang Liu	Seats (Total: 30)
	W 4:15pm - 7:00pm	EDU 1121

EDMS651 **General Linear Models II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDMS646; or students who have taken courses with comparable content may contact the department.

Multiple regression and correlation analysis; trend analysis; hierarchical and stepwise procedures; logistic regression; software for regression analysis.

0101	Jeffrey Harring	Seats (Total: 30)
	M 4:15pm - 7:00pm	EDU 1107

EDMS655 **Introduction to Multilevel Modeling**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: EDMS651; or students who have taken courses with comparable content may contact the department.

Introduction to multilevel models and methodology as strategies for modeling change and organizational effects.

0101	Tracy Sweet	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 1107

EDMS657 **Exploratory Latent and Composite Variable Methods**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: EDMS651.

Development of models for exploratory factor analysis and their practical applications. Additional topics will draw from latent class analysis, cluster analysis, mixture models, canonical correlation, multidimensional scaling, and configural frequency analysis.

0101	Gregory Hancock, Jeffrey Harring	Seats (Total: 30)
	Tu 4:15pm - 7:00pm	EDU 1107

EDMS738M **Seminar in Special Problems in Measurement; Multidimensional/Multilevel Item Response Theory**

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

An opportunity for students with special interests to focus in depth on contemporary topics in measurement. Topics to be announced, but will typically be related to applied and theoretical measurement.

0101	Ji Seung Yang	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 3233

EDMS769Z **Special Topics in Applied Statistics in Education; Advances in Structural Equation Modeling**

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Designed primarily for students majoring or minoring in measurement, statistics or evaluation.

0101	Gregory Hancock, Jeffrey Harring	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 3315

EDMS798 **Special Problems in Education**

(Perm req)

Credits: 1-6

Grading Method: Regular, Audit

Master's, EDMS majors, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

Prerequisite: permission of department.

Contact department for information to register for this course.

EDMS799 **Master's Thesis Research**

Credits: 1-6

Grading Method: Sat-Fail

Registration required to the extent of 6 credits.

Contact department for information to register for this course.

EDMS889 **Internship in Measurement and Statistics**

Credits: 3-8

Grading Method: Regular, Audit

Provides internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDMS898 **Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular

Contact department for information to register for this course.

EDMS899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6

Grading Method: Sat-Fail

Registration required to the extent of 12 credits.

Contact department for information to register for this course.

EDSP Education, Special Fall 2025

EDSP210 **Foundations of Special Education: Inclusive Practices**

Credits: 3

Grading Method: Regular, Audit

General Education: DVUP

Restriction: Sophomore standing or lower. Credit only granted for: EDSP210, EDSP211 or EDSP470.

Students examine historical foundations of special education, including legislation; review components necessary for effective service delivery; and develop an understanding of the role of collaboration and consultation with parents, school personnel and other professionals.

0101	Veronica Kang	Seats (Total: 20)
	W 1:00pm - 3:45pm	EDU 2102

EDSP211 **Foundations of Special Education: Inclusive Practices**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVUP

Restriction: Sophomore standing or lower; and permission of EDUC-Counseling, Higher Education and Special Education department. Credit only granted for: EDSP210, EDSP211 or EDSP470.

Students examine historical foundations of special education, including legislation; review components necessary for effective service delivery; and develop an understanding of the role of collaboration and consultation with parents, school personnel and other professionals.

0101	Veronica Kang M 1:00pm - 3:45pm	Seats (Total: 22) EDU 3233

EDSP220 **Disability in Community: Access, Accommodation, and Adaptation**

Credits: 3 | Grading Method: Regular | General Education: DSSP, DVCC

Examines the concept of disability in a variety of community settings. Drawing on classic and contemporary readings in psychology, sociology and special education, the course will couple conceptual and historical understanding of disability with first-hand service-learning experiences in the community. Students will develop a plan in several phases that encompasses principles of Universal Design for Living/Learning (UDL) to study and participate in community-based activities.

0101	Katryna Andrusik Tu 2:00pm - 4:30pm	Seats (Total: 20) JMZ 2120

EDSP298 **Special Problems in Teacher Education**

(Perm req)

Credits: 1-6 | Grading Method: Regular, Pass-Fail, Audit

Available only to freshmen and sophomore education majors who have definite plans for individual study of approved problems relative to their preparation for teaching. Credit according to extent of work.

Contact department for information to register for this course.

EDSP310 **International Perspective on Educational Access for People with Disabilities**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP

A deep dive into the intersectionality of disability, culture, social norms, policy and more that impacts educational access for people with disabilities in a global context.

0101	Eden Rivera TuTh 9:30am - 10:45am Class time/details on ELMs	Seats (Total: 50) VMH 1203 ONLINE

EDSP311 **Peer Mentor Training and Certification**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, DVUP

Opportunity for peer mentor training and field experience for national CRLA certification (crla.net) to become a certified peer mentor by learning about and providing inclusive support for students with intellectual disabilities (ID) in the inclusive post-secondary TerpsEXCEED program at UMD. Students will develop an understanding of disability inclusion and ways to support students and build friendships through a mentoring relationship. Direct application of content instruction with weekly field experience allows students to maximize peer mentoring scholarship-to-practice understanding and application. The course trains peer mentors who provide same-age academic, social, and career mentoring supports for TerpsEXCEED students with intellectual disabilities on campus.

0101	Meredith Gramlich	Seats (Total: 100)
	TuTh 12:30pm - 1:45pm	ESJ 2208

EDSP321 **The Young Child As Scientist**

Credits: 3 Grading Method: Regular

Prerequisite: EDSP423, EDHD431, and EDSP315; and track 1: Must have completed EDSP430 and EDSP433; OR Track 2: Must have completed EDHD415 and EDHD424. Corequisite: EDHD322, EDHD323, EDSP417, EDHD441, EDHD442, EDHD443, and EDHD444.

A theoretical and pedagogical framework for evidence-based inclusive science instruction in inclusive early childhood classrooms. Examination of principles of inquiry-based science learning and develop strategies for helping children acquire fundamental problem-solving skills that may be applied to understanding a wide array of science content. Assessment strategies for evaluating the achievement of science objectives, and the achievement for all children will be addressed. Includes field experience.

0101	Jennifer Amilivia	Seats (Total: 32)
	W 8:30am - 10:30am	EDU 3315

EDSP400 **Instruction of Students with Severe Disabilities I**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Special Education program. Jointly offered with EDSP602. Credit only granted for: EDSP400 or EDSP602.

Functional assessment procedures and instructional methods for students with severe disabilities.

0101	Seyma Intepe Tingir	Seats (Total: 40)
	W 1:15pm - 4:00pm	TWS 1107

EDSP401 **Teaching Students with Disabilities in Elementary Classrooms**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of EDUC-Special Education department. Credit only granted for: EDSP401 or EDSP499F. Formerly: EDSP499F.

This course is designed for elementary education majors to prepare for teaching students with disabilities in elementary classrooms. The course examines the legal requirements for general education teachers in the public schools including best practices for participating in the Individual Education Program (IEP) team process, and understanding Response to Intervention (RTI) as a approach to the early identification and support of students with learning and behavior needs. Information is provided on the characteristics of students who have been identified as having high incidence disabilities (e.g., learning disabilities, attention deficit hyperactivity disorder, speech and language delays, emotional or behavioral disorders, and other health impairments). The course then provides information on universal design (UDL) principles for learning, instructional suggestions to include students with disabilities in the general classroom, co-teaching and methods for integrating technology and assistive technology to benefit all students.

0101	Jennifer McCatharn, Ruhma Raza M 5:00pm - 6:15pm W 11:00am - 12:15pm	Seats (Total: 30) SQH 1120 LEF 1201	 Discussion
0102	Ruhma Raza, Jennifer McCatharn M 5:00pm - 6:15pm Tu 11:00am - 12:15pm	Seats (Total: 30) SQH 1120 VMH 1207	 Discussion

EDSP404 **Methods of Teaching Autistic Students**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Jointly offered with: EDSP604. Credit only granted for: EDSP404 or EDSP604.

Characteristics of children and youth diagnosed with an autism spectrum disorder (ASD), assessment, and evidence-based instructional methods in teaching autistic students who come from diverse ethnic, cultural, and socio-economic backgrounds.

0101	Gulnoza Yakubova Tu 1:15pm - 4:00pm	Seats (Total: 40) ESJ B0324	

EDSP411 **Foundations of Technology Integration for Curriculum Access**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: EDSP210 or EDSP470. Restriction: Must be in Special Education program.

Addresses ways to integrate technology and Assistive Technology (AT) into content area instruction, use Accessible Educational Materials (AEM), and the Universal Design for Learning (UDL) framework to evaluate, analyze, and develop responsive instruction.

0101	Dawn Martin Th 1:00pm - 3:45pm	Seats (Total: 24) ESJ B0324	

EDSP413 **Principles and Practices in Positive Behavior Interventions and Classroom Supports**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Special Education program. Jointly offered with: EDSP613. Credit only granted for: EDSP413 or EDSP613.

Use of positive behavior supports to promote both classwide and individual student behavior skills through function-based behavior assessment, establishing classroom expectations, and examining common misbehaviors that often result in learning loss.

0101	Kelli Cummings	Seats (Total: 22)
	Tu 4:15pm - 7:00pm	EDU 1121

EDSP417 **Reading Diagnosis and Assessment**

Credits: 3 Grading Method: Regular

Prerequisite: EDSP423, EDHD431, and EDSP315; and track 1: Must have completed EDSP430 and EDSP433; OR Track 2: Must have completed EDHD415 and EDHD424. Corequisite: EDHD322, EDHD323, EDSP321, EDHD441, EDHD442, EDHD443, and EDHD444.

Reading Diagnosis and Assessment prepares teacher candidates to assess children in general and special early childhood educations settings in the areas of reading and writing in order to plan for instruction. The course will focus on diagnostic, screening, progress monitoring, and outcome assessments in early and beginning literacy. The course is designed to provide participants with the knowledge and skills necessary to collect and use a wide range of assessment data in general education and special education settings. Includes field experience.

0101	Sara Pepkin Dataram	Seats (Total: 32)
	M 1:00pm - 3:45pm	PLS 1158

EDSP420 **Child Development, Birth to Three Years**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDHD210, EDHD220, and EDSP211. Corequisite: EDHD314 and EDHD425. Cross-listed with: EDHD434. Credit only granted for: EDHD419A, EDSP420 or EDHD434. Formerly: EDHD419A.

Designed to provide students with an understanding of child development theory and research, as well as knowledge about typical and atypical development of children from birth to three years of age. The course emphasizes learning for children with and without disabilities, and for children who are at risk due to poverty and other environmental factors. The course will introduce how children develop and the challenges they face within the domains of physical, cognitive, language, social, and emotional development, with particular attention paid to the impact of risk factors on development. Students will become familiar with delays and differences in development that may occur as the result of disability. Finally, students will learn the effects of cultural and linguistic differences on growth and development. Information about theory and research in child development for children with and without disabilities will be enhanced through a series of observational experiences, which will build upon concepts addressed during class. Includes field experiences.

0101	Jennifer Amilivia	Seats (Total: 36)
	W 1:00pm - 4:00pm	TWS 0205

EDSP425 **Pre-Internship I**

Credits: 1 Grading Method: Regular

Corequisite: EDSP451 and EDSP400. Restriction: Must be in the Special Education major.

This required EDSP field placement is a 3-hour per week seminar and field placement that meets across 15 weeks. Opportunities are provided to observe and participate in instructional experiences under the guidance of an assigned Host Teacher (HT) in a four-week experience in a high incidence placement AND a four-week experience in a low incidence (LI) placement. The purpose is to provide each special education teacher candidate (TC) with practical experience to complete field-based requirements and begin to meet the CEC Initial Preparation Standards (2012). Furthermore, since EDSP 425 is the first internship experience in the Special Education Program in the College of Education at University of Maryland, teacher candidates will become familiar with the Special Education Program, College of Education, Maryland State Department of Education (MSDE), Counsel for Accreditation of Educator Preparation (CAEP), and Council for Exceptional Children (CEC) expectations and requirements for graduation and teacher licensure.

0101	Katryna Andrusik	Seats (Total: 30)
	Tu 9:00am - 12:00pm	HJP 2242

EDSP443 **Language and Literacy Acquisition in Children with Disabilities**

Credits: 3 Grading Method: Regular

Restriction: Must be in Special Education program. Additional information: This course is the first of four reading courses required by the Maryland State Department of Education for teacher certification in Special Education.

Language and literacy acquisition and characteristics of typical and atypical language development in supporting students with reading and writing disabilities.

0101	Ana Taboada Barber	Seats (Total: 22)
	M 9:30am - 12:15pm	EDU 1315

EDSP451 **Curriculum and Instruction: Elementary/Middle Special Education**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Special Education program. Jointly offered with EDSP652. Credit only granted for: EDSP451 or EDSP652.

Methods for instruction of students with disabilities in the general education curriculum. Collaboration with other professionals is included.

0101	Alicia Woolf M 1:00pm - 4:00pm Class time/details on ELMs	Seats (Total: 40) HBK 0109 ONLINE

EDSP452 **Internship I: Elementary/Middle Special Education**

Credits: 2-4 Grading Method: Regular, Audit General Education: DSSP

Restriction: Must be in Special Education program. Jointly offered with EDSP692. Credit only granted for: EDSP452 or EDSP692.

Field experience in elementary/middle school special education.

0101	Stacey Williams F 10:00am - 12:00pm WTh 8:00am - 3:00pm	Seats (Total: 20) EDU 2101 ONLINE Lab

EDSP470 **Introduction to Special Education**

Credits: 3 Grading Method: Regular, Audit General Education: DVUP

Restriction: Must not have completed EDSP210. Credit only granted for: EDSP210, EDSP211 or EDSP470.

Designed to give an understanding of the needs of all types of exceptional children.

0101	Monerah Al-Dubayan TuTh 5:00pm - 6:15pm	Seats (Total: 45) ONLINE
0301	Seyma Intepe Tingir M 1:00pm - 3:45pm	Seats (Total: 40) SQH 1105

EDSP484 **Reading and Writing Instruction in Special Education II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDSP416. Restriction: Must be in Special Education program. Jointly offered with EDSP684. Credit only granted for: EDSP484 or EDSP684.

Focus on the development of reading and writing programs for students in special education. Builds on foundations established in EDSP416.

0101	Katryna Andrusik	Seats (Total: 40)
	Th 4:15pm - 7:00pm	EDU 1107

EDSP489 **Field Experiences in Special Education**

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

2901	Elizabeth Martinez	Seats (Total: 2)
	Contact instructor or department for details.	

EDSP490 **Teacher Candidate Research Seminar in Special Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: CS

Restriction: Must be in Special Education program.

Study of current issues and research concerning the education of students in special education.

0101	Shanna Hirsch	Seats (Total: 20)
	M 1:15pm - 4:00pm	EDU 1315

EDSP498 **Special Problems in Special Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Available only to education majors who have definite plans for individual study of approved problems. Credit according to extent of work.

Special education majors only.

Contact department for information to register for this course.

EDSP499 **Workshops, Clinics, and Institutes in Special Education**

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

The following type of educational enterprise may be scheduled under this course heading: workshops conducted by the special education department (or developed cooperatively with other departments, colleges and universities) and not otherwise covered in the present course listing. Laboratories, and special education centers; institutes developed around specific topics or problems and intended for designated groups such as school superintendents, principals and supervisors.

0901	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

EDSP602 **Instruction of Students with Severe Disabilities I**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Special Education (Master's) program. Credit only granted for: EDSP400 or EDSP602.

Functional assessment procedures and instructional methods for students with severe disabilities.

0101	Seyma Intepe Tingir	Seats (Total: 40)
	W 1:15pm - 4:00pm	TWS 1107

EDSP604 **Methods of Teaching Autistic Students**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Jointly offered with: EDSP404. Credit only granted for: EDSP404 or EDSP604.

Characteristics of children and youth diagnosed with an autism spectrum disorder (ASD), assessment, and evidence-based instructional methods in teaching autistic students who come from diverse ethnic, cultural, and socio-economic backgrounds.

0101	Gulnoza Yakubova	Seats (Total: 40)
	Tu 1:15pm - 4:00pm	ESJ B0324

EDSP606 **Advanced Study in Inclusive Practices in The Schools**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Jointly offered with EDSP450. Credit only granted for: EDSP450, EDSP606 , or EDSP788P. Formerly: EDSP788P.

Educational practices regarding inclusive education in the schools for students with and without disabilities.

PUE1	Barbara Gruber **Meets September 2, 2025 - October 21, 2025** Class time/details on ELMs	Seats (Total: 5) ONLINE
	Students admitted to the Special Education (M.Ed.) Autism Spectrum and Disorder and Developmental Delays Disability program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.	
PUR1	Barbara Gruber **Meets September 2, 2025 - October 21, 2025** Class time/details on ELMs	Seats (Total: 25) ONLINE
	3tudents admitted to the Special Education (M.Ed.) Autism Spectrum Disorder and Developmental Delays Disability program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.	
PUR4	Barbara Gruber **Meets September 2, 2025 - October 21, 2025** Class time/details on ELMs	Seats (Total: 25) ONLINE
	Students admitted to the Special Education (M.Ed.) Autism Spectrum Disorder and Developmental Delays Disability program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.	

EDSP613 **Principles and Practices in Positive Behavior interventions and Classroom Supports**

Credits: 3 Grading Method: Regular

Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program; or permission of instructor. Jointly offered with: EDSP413. Credit only granted for: EDSP413 or EDSP613.

Use of positive behavior supports to promote both classwide and individual student behavior skills through function-based behavior assessment, establishing classroom expectations, and examining common misbehaviors that often result in learning loss.

0101	Kelli Cummings Tu 4:15pm - 7:00pm	Seats (Total: 22) EDU 1121

EDSP625 **Evidence Based Practices for Individuals with Significant Disabilities**

(Perm req) Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.

Examine and apply empirical research aligned to current trends and areas of investigation in the field of students with significant support needs.

0101	Seyma Intepe Tingir Tu 4:15pm - 7:00pm Class time/details on ELMs	Seats (Total: 20) EDU 2101 ONLINE
PUR1	Dawn Martin Class time/details on ELMs *Students admitted to the Special Education: Online Autism program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.*	Seats (Total: 25) ONLINE
PUR2	Katryna Andrusik Class time/details on ELMs *Students admitted to the Special Education: Online Autism program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.*	Seats (Total: 25) ONLINE
PUR3	Luanjiao Hu Class time/details on ELMs *Students admitted to the Special Education: Online Autism program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.*	Seats (Total: 25) ONLINE
PUR4	Jerae Kelly Class time/details on ELMs	Seats (Total: 25) ONLINE

EDSP632 Embracing Diversity: Teaching Students with Disabilities and Gifted Learners in Secondary

Credits: 3 Grading Method: Regular

Prerequisite: Permission of instructor. Restriction: Permission of EDUC-Special Education department. Credit only granted for: EDSP609 or EDSP632. Formerly: EDSP609.

Designed for secondary education majors to prepare for teaching students with disabilities in secondary classrooms. Examines the legal requirements for general education teachers in the public schools including best practices for participating in the Individual Education Program (IEP) team process, and understanding Response to Intervention (RTI) as a approach to the early identification and support of students with learning and behavior needs. Information is provided on the characteristics of students who have been identified as having high incidence disabilities (e.g., learning disabilities, attention deficit hyperactivity disorder, speech and language delays, emotional or behavioral disorders, and other health impairments). Information is also provided on the characteristics of students who are considered gifted and/or talented, as well as instructional methods for differentiating instruction to meet their needs. Also provides information on universal design (UDL) principles for learning, instructional suggestions to include students with disabilities in the general classroom, co-teaching, and methods for integrating technology and assistive technology to benefit all students.

Contact department for information to register for this course.

EDSP652 **Curriculum and Instruction: Elementary Special Education**

Credits: 3 Grading Method: Regular, Audit

Jointly offered with EDSP451. Credit only granted for: EDSP451 or EDSP6 52.

Methods for instruction of students with disabilities in the general education curriculum. Collaboration with other professionals is included.

For EDSP majors only.

0101	Alicia Woolf M 1:00pm - 4:00pm Class time/details on ELMs	Seats (Total: 40) HBK 0109 ONLINE
PUA1	Kelly Piantedosi **Meets September 2, 2025 - December 10, 2025** Class time/details on ELMs *Students admitted to the General Education Teachers in Inclusive Classrooms program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.*	Seats (Total: 25) ONLINE
PUA2	Kelly Piantedosi **Meets September 2, 2025 - December 10, 2025** Class time/details on ELMs *Students admitted to the General Education Teachers in Inclusive Classrooms program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.*	Seats (Total: 25) ONLINE

PUA3	Kelly Piantedosi	Seats (Total: 25)
	Meets September 2, 2025 - December 10, 2025	
	Class time/details on ELMs	ONLINE
	Students admitted to the General Education Teachers in Inclusive Classrooms program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.	

EDSP678R **Seminar in Special Education; Organizational Leadership II: Renewal & Innovation in SPED**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

PUB1	Carl Lashley	Seats (Total: 25)
	Meets September 2, 2025 - October 25, 2025	
	F 5:00pm - 8:15pm	ONLINE
	Class time/details on ELMs	ONLINE
	Sa 9:00am - 3:00pm	ONLINE
	Students admitted to the Special Education (EdD),Shady Grove program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.	

EDSP684 **Reading and Writing Instruction in Special Education II**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: EDSP616. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Jointly offered with EDSP484. Credit only granted for: EDSP484 or EDSP684.

Development of effective reading and writing programs for students receiving special education services. Builds on the foundation established in EDSP 616.

0101	Katryna Andrusik	Seats (Total: 40)
	Th 4:15pm - 7:00pm	EDU 1107

EDSP690 **Teacher Candidate Research Seminar in Special Education**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program.

Required seminar for master's certification teacher candidates in special education focusing on research methods and applications with students having disabilities.

0101	Shanna Hirsch	Seats (Total: 20)
	M 1:15pm - 4:00pm	EDU 1315

EDSP692 **Graduate Internship I: Elementary/Middle Special Education**

Credits: 2-4 Grading Method: Regular, Audit

Restriction: Must be in Special Education (Master's) program. Credit only granted for: EDSP452 or EDSP692.

Field experience in elementary/middle school special education.

0101	Stacey Williams	Seats (Total: 5)	
	F 10:30am - 12:00pm MTuWTh 8:00am - 1:00pm	Location: TBA ONLINE	 Lab

EDSP798 **Special Problems in Special Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Intended for Master's, AGS, or doctoral students in education who desire to pursue a research problem.

Special education majors only.

Contact department for information to register for this course.

EDSP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Registration required to the extent of six hours for Master's thesis.

Special education majors only.

Contact department for information to register for this course.

EDSP829 **Doctoral Capstone**

Credits: 1-12 Grading Method: Sat-Fail

Provides for demonstration of excellence in professional practice in the field of educational leadership. The topic, activities, and outcomes related to the Doctoral Capstone must be approved by the doctoral advisor and capstone committee and presented and defended by the student. The Doctoral Capstone in the Special Education EdD program requires scholars to identify a problem of professional practice in the field of special education. Scholars identify the antecedents, causes and issues related to this problem, subsequently conduct an extensive review of literature, and propose a defendable possible solution for which they provide the rationale.

PZCA	Tori Page-Voth	Seats (Total: 5)
	Contact instructor or department for details.	
	Must be in the Special Education Leadership (Ed.D.), Germany to register.	

PZCB	Agnesanne Danehey	Seats (Total: 5)
	Contact instructor or department for details.	
	Must be in the Special Education Leadership (Ed.D.), Germany to register.	
PZCC	Philip Burke	Seats (Total: 5)
	Contact instructor or department for details.	
	Must be in the Special Education Leadership (Ed.D.), Germany to register.	
PZCD	Veronica Kang	Seats (Total: 5)
	Contact instructor or department for details.	
	Must be in the Special Education Leadership (Ed.D.), Germany to register.	
PZCE	Gulnoza Yakubova	Seats (Total: 5)
	Contact instructor or department for details.	
	Must be in the Special Education Leadership (Ed.D.), Germany to register.	
PZCF	Paula Beckman	Seats (Total: 5)
	Contact instructor or department for details.	
	Must be in the Special Education Leadership (Ed.D.), Germany to register.	
PZCG	Carolyn Fink	Seats (Total: 5)
	Contact instructor or department for details.	
	Must be in the Special Education Leadership (Ed.D.), Germany to register.	

EDSP860 **Doctoral Research Seminar**

Credits: 3 Grading Method: Regular, Audit

Issues and procedures relevant to conducting and analyzing research in special education.

0101	Sehrish Shikarpurya	Seats (Total: 15)
	M 2:00pm - 4:45pm	HBK 0125

EDSP875 **Policy Issues Affecting Individuals with Disabilities**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Restriction: Permission of instructor; or must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program.

An analysis of current educational and disability issues and policies pertaining to children, youth, and adults with disabilities.

0101	Philip Burke Th 4:15pm - 7:00pm Class time/details on ELMs	Seats (Total: 15) EDU 3233 ONLINE

EDSP888 **Apprenticeship in Special Education**

(Perm req)

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

Credits: 1-3 Grading Method: Regular

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.

Contact department for information to register for this course.

EDSP888N **Apprenticeship in Special Education**

Credits: 1-8 Grading Method: Regular, Audit, Sat-Fail

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.

PZC1	Tori Page-Voth Class time/details on ELMs	Seats (Total: 20) ONLINE
	Must be in the Special Education Leadership (Ed.D.), Germany to register.	

EDSP888X **Apprenticeship in Special Education; Apprenticeship in Special Education: Symposium Preparation Part I**

Credits: 2 Grading Method: Regular, Audit, Sat-Fail

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.

PUB1	Agnesanne Danehey	Seats (Total: 25)	
	Meets October 27, 2025 - December 14, 2025		
	MTuF 5:00pm - 8:00pm	ONLINE	
	Class time/details on ELMs	ONLINE	
	Sa 9:00am - 12:00pm	ONLINE	
	Students admitted to the Special Education (EdD),Shady Grove program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.		

EDSP889 **Internship in Special Education**

(Perm req)

Credits: 3-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Special education majors only.

Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. dissertation.

Special education majors only.

Contact department for information to register for this course.

EDUC Education Fall 2025

EDUC388 **Special Topics in Education; Guided Experience In College Teaching**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

0401	Sharon Vanwright	Seats (Total: 20)	
	Class time/details on ELMs	ONLINE	
	Class time/details on ELMs	ONLINE	Discussion
	Relates to the academic achievement program and should be taken concurrently with EDCI498, section 6601.		

EDUC388T **Special Topics in Education; Guided Experience in College Teaching - UTA**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

0101	Stephanie Chou M 5:00pm - 7:00pm Class time/details on ELMs	Seats (Total: 30) ONLINE ONLINE	Discussion

EDUC388U **Special Topics in Education; New Student Programs**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

0201	Selah Thom M 5:00pm - 7:00pm Contact instructor or department for details. *Restricted to students who are teaching UNIV100 or UNIV101.*	Seats (Total: 25) TWS 1106
0501	Evelyn Covington-Moore, Clay Smith W 12:15pm - 1:45pm Contact instructor or department for details.	Seats (Total: 20) SYM 2200B

EDUC498 **Selected Topics in Education**

(Perm req)

Credits: 1-3 | Grading Method: Regular

Current topics and issues in education.

0101	Stephanie Chou Contact instructor or department for details.	Seats (Total: 30)

EDUC498B **Selected Topics in Education; Career Development and Advising**

(Perm req)

Credits: 1-3 | Grading Method: Regular

Current topics and issues in education.

0101	Christie De Leon, Brittani Berry Tu 3:30pm - 4:20pm Contact instructor or department for details.	Seats (Total: 15) EDU 3236
0201	Christie De Leon, Brittani Berry Tu 3:30pm - 4:20pm Contact instructor or department for details.	Seats (Total: 7) EDU 3236

EDUC645 **Leading Instructional Improvement**

Credits: 3 | Grading Method: Regular, Audit, Sat-Fail

Credit only granted for: EDHI645 or EDUC645. Formerly: EDHI645.

Development of knowledge and skills in the use of data bases, research findings and models of supervision, to improve instruction in schools.

PUM2	Anita Walls	Seats (Total: 15)
	Meets November 5, 2025 - December 18, 2025	
	W 5:00pm - 8:00pm	ONLINE
	Students admitted to the School Improvement Leadership Online program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.	

EDUC670 **Learning Communities**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Credit only granted for: EDHI670 or EDUC670. Formerly: EDHI670.

Reviews contemporary research on student and teacher learning and schools as learning organizations. It aims to build students understanding of opportunities and challanges to implementing learning environments in various educational organizations. Readings, cases and assignments emphasize students' understanding of learning theories and their application to various organizational settings.

PUM2	Cynthia Nicholson	Seats (Total: 15)
	Meets September 10, 2025 - October 29, 2025	
	W 5:00pm - 8:00pm	ONLINE
	Students admitted to the School Improvement Leadership Online program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for thisse. section.	

EDUC705 **Education Policy Making and the School Leader**

Credits: 4 Grading Method: Regular, Audit

Restriction: Permission of EDUC-College of Education. Credit only granted for: EDUC705 or EDPL663. Formerly: EDPL663.

Course analyzes educational K-12 policies and their impacts on school systems and the leadership of those systems

PXG3	Cherise Hunter	Seats (Total: 20)
	Meets September 12, 2025 - October 18, 2025	
	F 4:00pm - 9:00pm Sa 8:30am - 4:00pm	ONLINE ACP 1308B
	Students admitted to the School System Leadership (Ed.D.) mayistration self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.	

EDUC767 **Seminar on School District Leadership**

Credits: 4 Grading Method: Regular, Audit, Sat-Fail

Restriction: Permission of EDUC-College of Education. Credit only granted for: EDUC767 or EDHI767. Formerly: EDHI767.

Examination of theory and research related to school district leadership with focus on improvement sciences. Course uses improvement science model to understand organizational, political, community, instructional problems of practice.

PXH2	Melissa Kanney, Jean Snell	Seats (Total: 20)
	Meets September 2, 2025 - December 10, 2025	
	Tu 5:00pm - 8:00pm Class time/details on ELMs	Location: TBA ONLINE
	Must be in School System Leadership (Ed.D.), TESOL to register. Golden ID students are not eligible for this section.	

EDUC773 **Seminar in School Finance and Resource Management**

Credits: 4 Grading Method: Regular

Prerequisite: Permission of instructor. Restriction: Must be in the Ed.D. School System Leadership program.

Issues related to financing and resource management in US K-12 public education systems will be investigated including how various levels of government support public education, and the revenue-generating tools they use. A major theme throughout the course will be on how the values and concepts of educational equity drive the distribution of revenue to schools and how to use data to create . a school-level resourcing plan that provides access and opportunities to learning for every student.

PXG3	Douglas Anthony, Michael Herbstman **Meets October 31, 2025 - December 13, 2025** F 4:00pm - 9:00pm Sa 8:30am - 4:00pm	Seats (Total: 20) ONLINE ACP 1308B

Students admitted to the School System Leadership (Ed.D.) mayistration self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.

EDUC829 **Doctoral Capstone**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

The completion of a doctoral capstone is required for all professional practice doctoral students, allowing demonstration of excellence in professional practice in the field of education leadership. The topic, activities, and outcomes related to the doctoral capstone must be approved by the doctoral advisor and capstone committee and presented and defended by the student.

Contact department for information to register for this course.

EDUC888 **Applied Apprenticeship in Education**

Credits: 1-3 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals.

PUG3	Pamela Shetley **Meets September 2, 2025 - December 10, 2025** F 4:00pm - 9:00pm Sa 8:30am - 4:00pm	Seats (Total: 20) ONLINE ONLINE

EDUC898 **Pre-Candidacy Research**

Credits: 2-4 Grading Method: Regular

Pre-Candidacy Research

Contact department for information to register for this course.

EDUC899 **Dissertation of Practice Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Registration required to the extent of 6-9 hours for an Ed.D. Dissertation.

PGCPS II EdD Outreach Program. Registration restricted to program.

Contact department for information to register for this course.

EMBA637 **Corporate Finance**

Credits: 4 Grading Method: Regular

Restriction: Must be in Executive MBA program.

Presents key concepts in corporate finance as well as tools used in making corporate financial decisions. Topics include valuation of corporate securities, capital investment decision making, capital market theory, operation and efficiency of financial markets, corporate financing decisions, and risk management.

Contact department for information to register for this course.

EMBA681 **Managerial Economics and Public Policy**

Credits: 2 Grading Method: Regular

Restriction: Must be in Executive MBA program.

Basic microeconomic principles used by firms, including supply and demand, elasticities, costs, productivity, pricing, marketing structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations.

Contact department for information to register for this course.

EMBA694 **Operations Management**

Credits: 2 Grading Method: Regular

Restriction: Must be in Executive MBA program.

A firm has the opportunity to create competitive advantage through proficient management of its operations. To do so, the firm must first recognize and establish the strategic role of its operations within the organization. Then, at the more detailed operational level, the firm must execute effectively and efficiently. This course examines the strategic role that the operations function can play, and offers specific tools and techniques that the firm can use for strategy execution. We cover concepts of operations managment applied to both manufacturing and services, including operations strategy, analysis of process flows and bottlenecks, waiting line models, total quality management, six sigma, and revenue management.

Contact department for information to register for this course.

EMBA758U **Special Topics; Strategic and Transformational IT**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

EMBA759 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Business.

Contact department for information to register for this course.

EMBA788B **Executive Skills Mastery; Doing Business in Brazil: Addressing Grand Challenges Through the Private Sector**

(Perm req) Credits: 2 Grading Method: Regular

This course is designed to focus on the development of the specific set of skills that executives need to successfully perform in today's organizational environment. Students complete assessments which help to target their specific skill level and in the aggregate give instructors clear ideas on the needs of the cohort. The assessments also augment executive coaching, when provided. This is typically registered as a one credit course except when a particular program's cirriculum allocates enough contact hours to all course topics to be covered at a more advanced level.

Cross-listed with BUSI788B, BUSM788B, and BUSO788B. Credit only granted for BUSI788B, BUSM788B, BUSO788B, or EMBA788B.

GX01	Paulo Prochno	Seats (Total: 35)
	Meets October 20, 2025 - December 12, 2025	
	Su 12:00pm - 1:00pm Contact instructor or department for details.	Location: TBA

EMBA788W **Executive Skills Mastery; Doing Business in Asia: Supply Chain Challenges and Opportunities**

(Perm req) Credits: 2 Grading Method: Regular

This course is designed to focus on the development of the specific set of skills that executives need to successfully perform in today's organizational environment. Students complete assessments which help to target their specific skill level and in the aggregate give instructors clear ideas on the needs of the cohort. The assessments also augment executive coaching, when provided. This is typically registered as a one credit course except when a particular program's cirriculum allocates enough contact hours to all course topics to be covered at a more advanced level.

Cross-listed with BUSI788W, BUSM788W, and BUSO788W. Credit only granted for BUSI788W, BUSM788W, BUSO788W, or EMBA788W.

GX01	Zhi-Long Chen	Seats (Total: 25)
	Meets October 20, 2025 - December 12, 2025	
	Su 12:00pm - 1:00pm Contact instructor or department for details.	VMH 1333

EMBA789N **Leadership Mastery**

Credits: 1-2 Grading Method: Sat-Fail

This course addresses organizational challenges from the CEO or C-level perspective. At this level, the ability to engage ambiguity and chaos effectively is essential. Creating strategy while using a systems approach and understanding how each functional area interacts with the other (with both the short-term and long-term in mind) are of very high importance. The course covers topics that consume the days of senior level leaders in organizations. This is typically registered as a one credit course except when a particular program's cirriculum allocates enough contact hours to all course topics to be covered at a more advanced level.

EM25	Neta Moye **Meets August 9, 2025 - December 20, 2025** Contact instructor or department for details.	Seats (Total: 50)

EMBA798G **Action Learning Project**

Credits: 2 Grading Method: Regular

This course is designed to give the student the opportunity to work on a real-time, salient business challenge or issue for the sponsoring organization. This is often the student's employer. Students are encouraged to design projects which extend beyond a single functional area and require them to examine the interaction of multiple functional areas from a systems perspective. Students work in teams for the projects. This allows them to learn from one another, as well as to learn how to work more effectively in teams - especially in a largely virtual environment. This is typically a two credit course when projects are initiated and completed entirely within a single term. It may be a one credit course when projects extend over more than one term.

EM25	Jacqueline Manger, Jeffrey Mund **Meets May 31, 2025 - December 8, 2025** Contact instructor or department for details.	Seats (Total: 50)

EMBA798K **Action Learning Project**

Credits: 1 Grading Method: Regular

This course is designed to give the student the opportunity to work on a real-time, salient business challenge or issue for the sponsoring organization. This is often the student's employer. Students are encouraged to design projects which extend beyond a single functional area and require them to examine the interaction of multiple functional areas from a systems perspective. Students work in teams for the projects. This allows them to learn from one another, as well as to learn how to work more effectively in teams - especially in a largely virtual environment. This is typically a two credit course when projects are initiated and completed entirely within a single term. It may be a one credit course when projects extend over more than one term.

Contact department for information to register for this course.

ENAE Engineering, Aerospace Fall 2025

ENAE100 **The Aerospace Engineering Profession**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Recommended: ENES100 and MATH140.

Overview of salient aspects of professional practice of Aerospace Engineering. Introduction to the range of technical expertise needed to succeed in the profession and the objectives of the various parts of the Aerospace Engineering program at UMCP in supporting students' efforts in gaining the required knowledge and skills. Familiarization with departmental faculty and their areas of research, creation of links with other students, professional society student chapters, and available resources. Discussion of ethical issues, business requirements, and their interactions with technical developments.

0101	Christine Hartzell Tu 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 30) EGR 1202 MTH B0427	 Discussion
0102	Christine Hartzell Tu 12:30pm - 1:45pm M 4:00pm - 4:50pm	Seats (Total: 30) EGR 1202 MTH 0407	 Discussion
0103	Christine Hartzell Tu 12:30pm - 1:45pm Tu 11:00am - 11:50am	Seats (Total: 30) EGR 1202 EGR 2116	 Discussion
0104	Christine Hartzell Tu 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 30) EGR 1202 MTH 0402	 Discussion
0105	Christine Hartzell Tu 12:30pm - 1:45pm W 4:00pm - 4:50pm	Seats (Total: 30) EGR 1202 MTH 0407	 Discussion
0106	Christine Hartzell Tu 12:30pm - 1:45pm M 4:00pm - 4:50pm	Seats (Total: 30) EGR 1202 EGR 2154	 Discussion

ENAE202 **Computing Fundamentals for Engineers**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Corequisite: MATH141. Credit only granted for: ENAE202 or ENME202.

Introduction to computer programming for the solution of engineering problems. Python & MATLAB languages including flow control, functions, file handling, arrays, and data structures. Students will be introduced to computing fundamentals, principles of software engineering, object-oriented programming, and algorithms.

0104	Alban Sauret MW 11:00am - 11:50am W 2:00pm - 3:50pm	Seats (Total: 29) SKN 0200 EGR 0312	 Lab

ENAE283 **Introduction to Aerospace Systems**

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- or better in PHYS161 and MATH141; and must have completed or be concurrently enrolled in ENAE222. Restriction: Must be in Engineering: Aerospace program. Credit only granted for: (ENAE281 and ENAE282) or ENAE283. Formerly: ENAE281 and ENAE282.

Introduction to the fundamental disciplines of aerospace engineering, and the systems concepts that integrate these into conceptual designs for flight vehicles. Course covers the foundations of aerodynamics, propulsion, aerospace materials, flight mechanics, orbital mechanics, vehicle stability and control.

0101	Benjamin Silbaugh TuTh 12:30pm - 1:45pm	Seats (Total: 60) EGR 1108
0102	Mary Bowden TuTh 12:30pm - 1:45pm	Seats (Total: 90) JMP 3201

ENAE283H **Introduction to Aerospace Systems**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- or better in PHYS161 and MATH141; and must have completed or be concurrently enrolled in ENAE222. Restriction: Must be in Engineering: Aerospace program. Credit only granted for: (ENAE281 and ENAE282) or ENAE283. Formerly: ENAE281 and ENAE282.

Introduction to the fundamental disciplines of aerospace engineering, and the systems concepts that integrate these into conceptual designs for flight vehicles. Course covers the foundations of aerodynamics, propulsion, aerospace materials, flight mechanics, orbital mechanics, vehicle stability and control.

0101	Alison Flatau TuTh 12:30pm - 1:45pm	Seats (Total: 24) EGR 3114

ENAE288B **Topics in Aerospace Engineering; Student Initiated Course Failures in Human Spaceflight**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Introductory topics in the field of aerospace engineering.

Failures in Human Spaceflight: Apollo 1, Challenger, & Columbia provides an introduction to fatal accidents in American spaceflight history. Students will study the engineering failures and management decisions leading to each disaster. Additionally, they will consider the investigations, public responses, and impacts prompted by the accidents.Readings will include official accident reports, internal NASAcommunications, and personal accounts. Students will discuss how these disasters shaped modern risk management and what lessons were learned - or ignored - along the way.

0101	Caleb Becker-Schwartz, Alison Flatau F 11:00am - 11:50am	Seats (Total: 20) EGR 3102

ENAE301 **Dynamics of Aerospace Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS271, MATH461, PHYS270, MATH246, ENAE283, ENAE202, ENES102, and MATH241. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.

Kinematics and dynamics of three dimensional motion of point masses and rigid bodies with introduction to more general systems. Primary emphasis on Newtonian methods. Practice in numerical solutions and computer animation of equations of motion using MATLAB.

0101	Kleio Baxevani TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 45) SHM 2102 CHM 1224	 Lab
0102	Kleio Baxevani TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 45) SHM 2102 CHM 1224	 Lab
0103	Kleio Baxevani TuTh 12:30pm - 1:45pm F 3:00pm - 3:50pm	Seats (Total: 44) SHM 2102 CHM 1224	 Lab
0104	Kleio Baxevani TuTh 12:30pm - 1:45pm F 4:00pm - 4:50pm	Seats (Total: 45) SHM 2102 CHM 1224	 Lab

ENAE311 Compressible Aerodynamics

Credits: 3 Grading Method: Regular

Prerequisite: PHYS271, (MATH240 or MATH461), PHYS270, MATH246, ENAE283, ENES220, ENAE202, MATH241, and ENES232. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department; and junior standing or higher. Credit only granted for: ENAE410 or ENAE311.

Fundamentals of aerodynamics. Elements of compressible flow. Normal and oblique shock waves. Flows through nozzles, diffusers and wind tunnels. Elements of the method of characteristics and finite difference solutions for compressible flows. Aspects of hypersonic flow.

Prerequisite: ENAE311 or enrolled in hypersonics graduate certificate program. Corequisite: ENAE481 or ENAE483.

0101	Christopher Cadou TuTh 9:30am - 10:45am	Seats (Total: 60) EGR 1108	

0102	Christoph Brehm TuTh 9:30am - 10:45am	Seats (Total: 40) PHY 4221

ENAE311H **Compressible Aerodynamics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: PHYS271, (MATH240 or MATH461), PHYS270, MATH246, ENAE283, ENES220, ENAE202, MATH241, and ENES232. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department; and junior standing or higher. Credit only granted for: ENAE410 or ENAE311.

Fundamentals of aerodynamics. Elements of compressible flow. Normal and oblique shock waves. Flows through nozzles, diffusers and wind tunnels. Elements of the method of characteristics and finite difference solutions for compressible flows. Aspects of hypersonic flow.

0101	Stuart Laurence TuTh 9:30am - 10:45am Class time/details on ELMs	Seats (Total: 25) EGR 1102 ONLINE

ENAE362 **Aerospace Instrumentation and Experimentation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH246 and ENAE283. Restriction: Must be in Engineering: Aerospace program; and junior standing or higher.

Basic instrumentation electronics including DC electronics, AC electronics, semiconductors, electro-optics and digital electronics. Sensing devices used to carry out experiments in Aerospace Engineering includes metrology, machine tool measurements, bridge circuits, optical devices, and introduction to computer based data acquisition. Topics chosen to support measurements in aerodynamics, flight structures and flight control.

0101	Benjamin Silbaugh, Ulrich Leiste MW 1:00pm - 1:50pm M 2:00pm - 5:00pm	Seats (Total: 30) ARM 0131 EGL 0123	Lab
0102	Ulrich Leiste, Benjamin Silbaugh MW 1:00pm - 1:50pm Tu 2:00pm - 5:00pm	Seats (Total: 30) ARM 0131 EGL 0123	Lab
0103	Benjamin Silbaugh, Ulrich Leiste MW 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 32) ARM 0131 EGL 0123	Lab

0104	Benjamin Silbaugh, Ulrich Leiste MW 1:00pm - 1:50pm Th 2:00pm - 5:00pm	Seats (Total: 30) ARM 0131 EGL 0123	 Lab
0105	Ulrich Leiste, Benjamin Silbaugh MW 1:00pm - 1:50pm W 8:50am - 11:50am	Seats (Total: 34) ARM 0131 EGL 0123	 Lab
0106	Ulrich Leiste, Benjamin Silbaugh MW 1:00pm - 1:50pm F 8:50am - 11:50am	Seats (Total: 32) ARM 0131 EGL 0123	 Lab

ENAE380 **Flight Software Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENAE283 and ENAE202. Restriction: Must be in Engineering: Aerospace program; and junior standing or higher.

Avionics using advanced sensor and computing technologies are at the heart of every modern Aerospace vehicle. Advanced software systems to improve cockpit safety and enable unmanned and deep-space missions. Object-oriented programming and software engineering concepts required to design and build complex flight software systems. Software validation, verification and real-time performance analysis to assess flight software system reliability and robustness. Human-machine interface design for piloted systems. Automatic onboard data acquisition and decision-making for unmanned air and space vehicles.

0101	Mumu Xu MW 12:00pm - 12:50pm F 9:00am - 10:50am	Seats (Total: 36) ASY 2203 MTH 0103	 Discussion
0102	Mumu Xu MW 12:00pm - 12:50pm F 1:00pm - 2:50pm	Seats (Total: 36) ASY 2203 MTH 0304	 Lab
0104	Mumu Xu MW 12:00pm - 12:50pm F 1:00pm - 2:50pm	Seats (Total: 36) ASY 2203 EGR 1104	 Lab
0105	Mumu Xu MW 12:00pm - 12:50pm W 9:00am - 10:50am	Seats (Total: 36) ASY 2203 CHE 2118	 Lab

0106	Mumu Xu	Seats (Total: 36)	
	MW 12:00pm - 12:50pm W 10:00am - 11:50am	ASY 2203 CHE 2136	Lab

ENAE398H **Honors Research Project**

(Perm req)

Credits: 1-3 Grading Method: Regular

Planned sequence of steps in aerospace honors research in which students take three (3) consecutive semesters of this course in partial fulfillment of aerospace engineering honors program requirements. The first semester consists of a series of seminars and meetings with faculty mentors on honors research; two semesters consist of undergraduate honors research project and paper conducted under the direction of an aerospace engineering faculty member to be presented at a conference.

Contact department for information to register for this course.

ENAE403 **Aircraft Flight Dynamics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENAE414 and ENAE432. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.

Study of motion of aircraft, equations of motion, aerodynamic force representation, longitudinal and lateral motions, response to controls and to atmospheric disturbances, handling qualities criteria and other figures of merit.

0101	Michael Otte	Seats (Total: 75)	
	TuTh 3:30pm - 4:45pm	JMZ 0220	

ENAE414 **Incompressible Aerodynamics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS271, (MATH240 or MATH461), PHYS270, MATH246, ENAE283, ENES220, ENAE202, MATH241, and ENES232. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department; and junior standing or higher. Credit only granted for: ENAE310 or ENAE414.

Aerodynamics of inviscid incompressible flows. Aerodynamic forces and moments. Fluid statics/buoyancy force. Vorticity, circulation, the stream function and the velocity potential. Bernoulli's and Laplace's equations. Flows in low speed wind tunnels and airspeed measurement. Potential flows involving sources and sinks, doublets, and vortices. Development of the theory of airfoils and wings.

0101	Benjamin Silbaugh	Seats (Total: 75)	
	TuTh 9:30am - 10:45am	CHE 2108	

ENAE423 **Vibration and Aeroelasticity**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENAE324. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.

Dynamic response of single and multiple degrees of freedom systems, finite element modeling, wing divergence, aileron reversal, wing and panel flutter.

0101	Sung Lee	Seats (Total: 130)
	MWF 11:00am - 11:50am	EGR 1202

ENAE423H **Vibration and Aeroelasticity**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENAE324. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.

Dynamic response of single and multiple degrees of freedom systems, finite element modeling, wing divergence, aileron reversal, wing and panel flutter.

0101	Norman Wereley	Seats (Total: 25)
	MWF 11:00am - 11:50am	EGR 1102

ENAE441 **Space Navigation and Guidance**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- or better in ENAE432; and must have completed or be concurrently enrolled in ENAE404. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.

Principles of navigation. Celestial, radio, and inertial navigation schemes. Navigational and guidance requirements for orbital, planetary, and atmospheric entry missions. Fundamentals of estimation theory, linear and nonlinear filtering techniques.

0101	John Martin	Seats (Total: 100)
	TuTh 9:30am - 10:45am	LEF 2205

ENAE455 **Aircraft Propulsion and Power**

Credits: 3

Grading Method: Regular, Pass-Fail

Prerequisite: ENES232, ENAE414, and ENAE311. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.

Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of piston, turbojet, fanjet, and other variations of airbreathing aircraft power units.

0101	Kenneth Yu	Seats (Total: 70)
	TuTh 12:30pm - 1:45pm	SYM 0200

ENAE457 **Space Propulsion and Power**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: PHYS271, ENES232, PHYS270, and ENAE311. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And senior standing.

Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of rocket, ion, and other exoatmospheric power units.

0101	Ray Sedwick	Seats (Total: 100)
	TuTh 2:00pm - 3:15pm	CHE 2110

ENAE457H **Space Propulsion and Power**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: PHYS271, ENES232, PHYS270, and ENAE311. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And senior standing.

Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of rocket, ion, and other exoatmospheric power units.

0101	Ray Sedwick	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	EGR 2154

ENAE472 **Introduction to Hypersonics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENAE311 or enrolled in hypersonics graduate certificate program. Corequisite: ENAE481 or ENAE483 (if not enrolled in hypersonics graduate certificate program). Restriction: Students must be in the Hypersonic Graduate Certificate Program (code: Z165) or receive permission from the department. Credit only granted for: ENAE488N or ENAE472. Formerly: ENAE488N.

Introduces students to the various key aspects of flight at hypersonic speeds. Critical aerodynamic phenomena to be covered includes the qualitative behavior of flow fields in the high-Mach-numberlimit, approximate methods for quantifying surface pressure, and estimates of viscous drag and heating. High-speed air-breathing propulsion systems will be discussed, including cycle analysis and performance metrics for propulsion, with a main emphasis onthe fundamentals of ramjet and scramjet engines. Key Guidance, Navigation and Control (GNC) concepts for various hypersonic vehicle types will also be introduced, including the design of appropriate flight trajectories and control algorithms to achieve mission goals. Finally, students will be provided with an overview of high-temperature materials, structures, and thermal protection systems.

0101	Gianna Valentino, Sudarsanam Babu, Kenneth Yu, Shenqiang Ren, Stuart Laurence MWF 10:00am - 10:50am	Seats (Total: 20) CHE 2140
AEA1	Kenneth Yu, Stuart Laurence MWF 10:00am - 10:50am	Seats (Total: 10) ONLINE

ENAE481 **Principles of Aircraft Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENAE324, ENAE362, and ENAE432. Corequisite: ENAE414. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. Credit only granted for: ENAE481 or ENAE491.

Aircraft design principles blending both synthesis and analysis. The iterative nature of the design process. Applied aerodynamics. Elements of aircraft performance calculation and optimization. Design of aircraft including payload, crew and avionics provisions, propulsion selection and sizing, aerodynamic configuration optimization, mass properties, stability and control characteristics, and vehicle subsystems. Individual student projects in aircraft design.

Restricted to students in the Vertical Flight Society Helicopter Design Competition and requires permission of the instructor to enroll.

0101	Dominic Palumbo MWF 2:00pm - 2:50pm	Seats (Total: 35) EGR 0135
0201	Sung Lee TuTh 2:00pm - 3:15pm *Restricted to students on the Design, Build, Fly team and requires permission from the department to enroll.*	Seats (Total: 20) CHE 2140

0301	Vengalattore Nagaraj	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	EGR 3111
	Restricted to students in the Vertical Flight Society Helicopter Design Competition and requires permission of the instructor to enroll. Membership of Vertical Flight Society is not necessary to enroll in the class.	

ENAE483 **Principles of Space Systems Design**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENAE404, ENAE324, ENAE362, and ENAE432. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. Credit only granted for: ENAE483 or ENAE493.

Principles of space systems analysis and vehicle design. Launch vehicle performance analysis and optimization. Design of vehicle systems including avionics, power, propulsion, life support, human factors, structures, actuator and mechanisms, and thermal control. Design processes and design synthesis. Individual student projects in vehicle design.

0101	David Akin	Seats (Total: 100)
	TuTh 11:00am - 12:15pm	ESJ 1224

ENAE488I **Topics in Aerospace Engineering; Wind Turbine Aeromechanics**

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Technical elective taken with the permission of the student's advisor and instructor. Lecture and conference courses designed to extend the student's understanding of aerospace engineering. Current topics are emphasized.

This course will cover the aerodynamics, hydrodynamics and structural dynamics of onshore and offshore wind turbines. The first part of the course will concentrate on wind turbine aerodynamics, covering details of blade element momentum theory. In addition, various simulation tools will be examined and utilized for practical applications. A brief introduction to the use of Computational Fluid Dynamics will be covered. The second part will look in detail at hydrodynamic effects on fixed and floating offshore wind platforms. In addition, interference effects for wind-plants will be introduced and several techniques for inclusion in wind plant design. The third part of the course will examine the structural dynamics of wind turbine blades, including aeroelastic effects, as well as wind turbine fixed and floating foundations. A final small team project will tie the various portions of the course together.

0101	James Baeder	Seats (Total: 10)
	TuTh 4:00pm - 5:15pm	JMP 1202

ENAE488V **Topics in Aerospace Engineering; DTEVV Fundamentals**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Technical elective taken with the permission of the student's advisor and instructor. Lecture and conference courses designed to extend the student's understanding of aerospace engineering. Current topics are emphasized.

Prerequisites: ENAE432 or ENME361 (or equivalent); or permission of instructor. Corequisite: ENAE403 (or equivalent); or permission of instructor Course is designed to give students a basic understanding of Development, Test & Evaluation, Verification & Validation process used to produce new aviation systems.

0101	Instructor: TBA F 8:00am - 10:50am *This section is for College Park Students.*	Seats (Total: 10) ONLINE
DE01	Instructor: TBA F 8:00am - 10:50am Contact instructor or department for details. *This section is only for students in the MAGE program. Contact Aileen Hentz anhentz@umd.edu to request permission to enroll.*	Seats (Total: 10) ONLINE

ENAE499 **Elective Research**

(Perm req)

Credits: 3 Grading Method: Regular

Undergraduate research project and paper conducted under the direction of an aerospace engineering faculty member to be presented at a conference or competition.

Contact department for information to register for this course.

ENAE601 **Astrodynamics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENAE404; or permission of ENGR-Aerospace Engineering department.

Mathematics and applications of orbit theory, building upon the foundations developed in ENAE 404 and ENAE 441. Topics include two body orbits, solutions of Kepler's equation, the two-point boundary value problem, rendezvous techniques, and Encke's method.

Those sections that begin with a letter are designated for Master of Engineering students and are not intended for Master of Science or Ph.D.Students.

0101	Christine Hartzell TuTh 2:00pm - 3:15pm	Seats (Total: 25) EGR 3114
DE01	Christine Hartzell Class time/details on ELMs	Seats (Total: 10) ONLINE

ENAE603 **Near-Earth Object Exploration**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENAE601. Restriction: Must be in one of the following programs (ENGR: MS/PhD-Aerospace Engineering (Master's); ENGR: MS/PhD-Aerospace Engineering (Doctoral)). Credit only granted for: ENAE788N or ENAE603. Formerly: ENAE788N.

An overview of the near-Earth objects (NEOs) of our solar system--the asteroids and comets whose orbits closely approach Earth's orbit--and what we know about them, what we're learning about them, and how to design spacecraft missions to interact with them.

Those sections that begin with a letter are designated for Master of Engineering students and are not intended for Master of Science or Ph.D.Students.

0101	Brent Barbee TuTh 5:00pm - 6:15pm	Seats (Total: 15) MTH B0431
DE01	Brent Barbee Class time/details on ELMs	Seats (Total: 10) ONLINE

ENAE631 **Helicopter Aerodynamics I**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENAE414 and ENAE311. Or permission of ENGR-Aerospace Engineering department; and permission of instructor.

A history of rotary-wing aircraft, introduction to hovering theory, hovering and axial flight performance, factors affecting hovering and vertical flight performance, autorotation in vertical descent, concepts of blade motion and control, aerodynamics of forward flight, forward flight performance, operational envelope, and introduction to rotor acoustics.

Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students. Those sections that begin with a letter are designated for Master of Engineering students and are not intended for Master of Science or Ph.D.Students.

0101	Chloe Johnson, Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 20) JMP 2216
DE01	Chloe Johnson, Inderjit Chopra Contact instructor or department for details.	Seats (Total: 5)

ENAE636 **Helicopter Dynamics II**

Credits: 3

Grading Method: Regular, Audit

Credit only granted for: ENAE788R or ENAE636. Formerly: ENAE788R.

Aerodynamics, dynamics and aeromechanics of helicopters and tilt rotor aircraft. Experimental testing and mathematical modeling required for the design and analysis of such aircraft.

Those sections that begin with a letter are designated for Master of Engineering students and are not intended for Master of Science or Ph.D.Students.

0101	Anubhav Datta MW 9:30am - 10:45am	Seats (Total: 15) JMP 2222
DE01	Anubhav Datta Contact instructor or department for details.	Seats (Total: 5)

ENAE641 Linear System Dynamics

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENAE432.

Linear systems; state space, multi-input, multi-output models; eigenstructure; controllability, observability, singular value analysis; multivariable Nyquist condition; observer design; introduction to Kalman filtering. Full state feedback techniques including pole placement and LQR/LQG techniques; introduction to loop shaping and robustness.

Those sections that begin with a letter are designated for Master of Engineering students and are not intended for Master of Science or Ph.D.Students.

0101	Robert Sanner TuTh 12:30pm - 1:45pm	Seats (Total: 25) EGR 3102
DE01	Robert Sanner Class time/details on ELMs	Seats (Total: 10) ONLINE

ENAE642 Atmospheric Flight Control

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: ENAE403 and ENAE432; or students who have taken courses with comparable content may contact the department.

Exposure to flight guidance and control. Draws heavily from vehicle dynamics as well as feedback theory, and careful treatment of the non-linear aspects of the problem is critical. Conventional sythesis techniques are stressed, although modern methods are not ignored. Multivariable system analysis is included, along with flight-control design objectives and hardware limitations. Emphasis on aircraft and missiles.

Those sections that begin with a letter are designated for Master of Engineering students and are not intended for Master of Science or Ph.D.Students.

0101	Jared Grauer M 12:30pm - 3:00pm	Seats (Total: 15) EGR 3102
DE01	Jared Grauer Class time/details on ELMs	Seats (Total: 5) ONLINE

ENAE655 **Structural Dynamics**

Credits: 3 Grading Method: Regular, Audit

Advanced principles of dynamics necessary for structural analysis; solutions of eigenvalue problems for discrete and continuous elastic systems, solutions to forced response boundary value problems by direct, modal, and transform methods.

Those sections that begin with a letter are designated for Master of Engineering students and are not intended for Master of Science or Ph.D.Students.

0101	Anubhav Datta WF 1:00pm - 2:15pm	Seats (Total: 35) MTH 0303
DE01	Anubhav Datta Class time/details on ELMs	Seats (Total: 10) ONLINE

ENAE661 **Aircraft Propulsion and Power**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENES232, ENAE414, and ENAE311. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department; and must have Senior or graduate standing. Jointly offered with: ENAE455. Credit only granted for: ENAE455 or ENAE661.

An introduction to air-breathing jet propulsion with the main emphasis on the fundamentals of gas turbine engines. It is intended for students with prerequisite knowledge of elementary fluid mechanics, gas dynamics, and thermodynamics.

Those sections that begin with a letter are designated for Master of Engineering students and are not intended for Master of Science or Ph.D.Students.

0101	Kenneth Yu TuTh 12:30pm - 1:45pm	Seats (Total: 15) SYM 0200
DE01	Kenneth Yu Class time/details on ELMs	Seats (Total: 10) ONLINE

ENAE662 **Space Propulsion and Power**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENES232 and ENAE311; or equivalents. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department; and must have senior or graduate standing. Jointly offered with: ENAE457. Credit only granted for: ENAE457, ENAE457H, ENAE662.

Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of rocket, ion, and other exoatmospheric power units.

Those sections that begin with a letter are designated for Master of Engineering students and are not intended for Master of Science or Ph.D.Students.

0101	Ray Sedwick TuTh 12:30pm - 1:45pm	Seats (Total: 10) EGR 2154
DE01	Ray Sedwick Class time/details on ELMs	Seats (Total: 10) ONLINE

ENAE673 Aerodynamics of Incompressible Fluids

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Undergraduate courses in differential equations, incompressible, and compressible flow (ENAE311; and one course from ENAE414; ENME331, OR ENME640, or equivalent). Restriction: Must be in ENGR: MS/PhD-Aerospace Engineering (Master's) program.

Introduces the fundamental concepts of incompressible flows. Topics to be addressed include the conservation equations, potential flow, lift and drag, Navier-Stokes equations, boundary layers and similarity solutions, and solutions to classical problems.

Those sections that begin with a letter are designated for Master of Engineering students and are not intended for Master of Science or Ph.D.Students.

0101	Pino Martin TuTh 8:00am - 9:15am	Seats (Total: 20) EGR 1110
DE01	Pino Martin Class time/details on ELMs	Seats (Total: 10) ONLINE

ENAE681 Engineering Optimization

Credits: 3

Grading Method: Regular, Audit

Methods for unconstrained and constrained minimization of functions of several variables. Sensitivity analysis for systems of algebraic equations, eigenvalue problems, and systems of ordinary differential equations. Methods for transformation of an optimization problem into a sequence of approximate problems. Optimum design sensitivity analysis.

Those sections that begin with a letter are designated for Master of Engineering students and are not intended for Master of Science or Ph.D.Students.

0201	John Tritschler M 6:15pm - 9:00pm	Seats (Total: 19) MTH B0429
DE01	John Tritschler Class time/details on ELMs	Seats (Total: 10) ONLINE

ENAE682 **Hypersonic Aerodynamics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ENGR-Aerospace Engineering department.

Hypersonic shock and expansion waves, Newtonian theory, Mach methods, numerical solutions to hypersonic inviscid flows, hypersonic boundary layer theory, viscous interactions, numerical solutions to hypersonic viscous flows. Applications to hypersonic vehicles.

Those sections that begin with a letter are designated for Master of Engineering students and are not intended for Master of Science or Ph.D.Students.

0101	Stuart Laurence TuTh 2:00pm - 3:15pm	Seats (Total: 20) ONLINE
AEA1	Stuart Laurence Class time/details on ELMs	Seats (Total: 15) ONLINE

ENAE684 **Computational Fluid Dynamics I**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ENGR-Aerospace Engineering department.

Partial differential equations applied to flow modelling, fundamental numerical techniques for the solution of these equations, elliptic, parabolic, and hyperbolic equations, elements of finite difference solutions, explicit and implicit techniques. Applications to fundamental flow problems.

Those sections that begin with a letter are designated for Master of Engineering students and are not intended for Master of Science or Ph.D.Students.

0101	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 30) EGR 3106	
DE01	James Baeder TBA	Seats (Total: 10) EGR 3111	

ENAE686 **Computational and Experimental Methods for Hypersonic Flows**

Credits: 3 Grading Method: Regular, Audit

Recommended: ENAE682. Restriction: Permission of ENGR-Aerospace Engineering department.

Provides a comprehensive framework on computational and experimental methods for investigating hypersonic flows, covering essential topics and providing a balanced mix of theory and practical applications.

0101	Stuart Laurence, Christoph Brehm TuTh 3:30pm - 4:45pm	Seats (Total: 15) CHE 2116	
AEA1	Christoph Brehm, Stuart Laurence TuTh 3:30pm - 4:45pm	Seats (Total: 10) ONLINE	

ENAE692 **Introduction to Space Robotics**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: ENAE301 or ENES221. Recommended: ENAE432.

Introduction to the kinematics, dynamics, and control of robot manipulators. DH parameters, serial and parallel manipulators, kinematic redundancy, sensors, actuators, and mechanism design. Control concepts introduced ranging from independent joint control to impedance control. Examples drawn from space robotics, wearable robotics, and other areas.

0101	Carl Henshaw, Craig Carignan MW 5:00pm - 6:15pm MW 4:00pm - 4:50pm	Seats (Total: 20) JMP 1202 JMP 1202	 Discussion

ENAE788D **Selected Topics in Aerospace Engineering; Advanced Space Systems Design**

Credits: 3 Grading Method: Regular, Audit

0101	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 8) ESJ 1224	

ENAE788F **Selected Topics in Aerospace Engineering; Development, Test & Evaluation, Verification & Validation (DTEVV) Fundamentals for Aviation**

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Campus - University System of Maryland at Southern Maryland Address - 44219 Airport Road, Building 3, California, MD 20619 Room - 2256

0101	Donald Costello Class time/details on ELMs	Seats (Total: 25) ONLINE
SM01	Donald Costello F 8:00am - 10:50am	Seats (Total: 25) Location: TBA

ENAE788I **Selected Topics in Aerospace Engineering; Wind Turbine Aeromechanics**

Credits: 3

Grading Method: Regular, Audit

This course will cover the aerodynamics, hydrodynamics and structural dynamics of onshore and offshore wind turbines. The first part of the course will concentrate on wind turbine aerodynamics, covering details of blade element momentum theory. In addition, various simulation tools will be examined and utilized for practical applications. A brief introduction to the use of Computational Fluid Dynamics will be covered. The second part will look in detail at hydrodynamic effects on fixed and floating offshore wind platforms. In addition, interference effects for wind-plants will be introduced and several techniques for inclusion in wind plant design. The third part of the course will examine the structural dynamics of wind turbine blades, including aeroelastic effects, as well as wind turbine fixed and floating foundations. A final small team project will tie the various portions of the course together.

0101	James Baeder TuTh 4:00pm - 5:15pm	Seats (Total: 10) JMP 1202
DE01	James Baeder Class time/details on ELMs	Seats (Total: 10) ONLINE

ENAE788K **Selected Topics in Aerospace Engineering; Estimation and Control of Stochastic Systems**

Credits: 1-3

Grading Method: Regular, Audit, Sat-Fail

Those sections that begin with a letter are designated for Master of Engineering students and are not intended for Master of Science or Ph.D.Students.

0101	Robert Sanner TuTh 3:30pm - 4:45pm	Seats (Total: 15) MTH 0102
DE01	Robert Sanner Class time/details on ELMs	Seats (Total: 5) ONLINE

ENAE788P **Selected Topics in Aerospace Engineering; Optical Remote Sensing**

Credits: 3 Grading Method: Regular, Audit

Prerequisites: Programming experience, orbital dynamics (ENAE404 or ENAE601, can be co-requisite). This course will cover topics in electromagnetic radiation, sensor systems, sensing architectures, and sensor data processing. Focus application areas include earth observation from space sensors and detections of space objects from ground sensors. Students will be introduced to practical approaches to common design and analysis problems in optical remote sensing.

0101	Tam Nguyen TuTh 12:30pm - 1:45pm	Seats (Total: 15) EGR 1102
DE01	Tam Nguyen Class time/details on ELMs	Seats (Total: 10) ONLINE

ENAE799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENAE898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENAE899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENAI Engineering Artificial Intelligence,Professional Masters Fall 2025

ENAI600 **Probability and Statistics for Engineering AI**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of Maryland Applied Graduate Engineering.

Provides a solid foundation to concepts of Probability Theory, Random Processes and Statistics required for Engineers designing and using AI. The course starts with axiomatic definition of probability metric and uses this to build the foundation on conditional probability, Baye's Theorem, and definition of probability density and distribution functions of discrete and continuous random variables. This foundation is then used to understand analyses of functions of one or more random variables, define moments and conditional moments of random variables and apply these concepts to parameter estimation and prediction. The class will emphasize the importance and wide applicability of Gaussian random variables. Hypothesis testing and its applicability to Artificial Intelligence will be explored. The class concludes with fundamentals concepts of Random Processes and use of Markov Chains for analyzing state transitions.

0101	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 35) JMP 2216
AEC1	C Ravishankar Class time/details on ELMs	Seats (Total: 20) ONLINE

ENAI601 **Numerical Methods for Engineering AI**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Recommended: Undergraduate courses in calculus and linear algebra.

Covers the fundamentals of optimization, from formulating a mathematical optimization problem from a problem description, to solving a mathematical optimization problem using numerical algorithms in optimization software, with an emphasis on convex optimization. The main topics include: linear algebra overview; convex sets and convex functions; convex optimization; duality theory and optimality criteria, Karush-Kuhn-Tucker conditions; reinforcement learning; unconstrained optimization algorithms: gradient method, Newton's method, quasi-Newton methods; constrained optimization algorithms: conditional gradient method, gradient projection method, alternating direction method of multipliers, interior point method, primal-dual method; stochastic gradient descent; distributed optimization; global search algorithms. Students will acquire not only theoretical knowledge of optimization, but also hands-on experience with optimization methods and software through assignments and a project.

0101	Richard La F 1:00pm - 3:40pm	Seats (Total: 35) JMP 2216
AEC1	Richard La Class time/details on ELMs	Seats (Total: 20) ONLINE

ENAI607 **Python Applications for Engineering AI**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Provides a comprehensive introduction to Python programming, covering fundamental concepts such as program structure, variables, assignments, and built-in data types, including strings, lists, tuples, and dictionaries. Students explore control flow, functions, modules, and basic I/O and file operations. The course also introduces object-oriented programming, classes, and exception handling. Beyond the basics, students delve into algorithms and data structures, including recursion, searching, graph algorithms, priority queues, search trees, and hash tables. The course explores algorithms used in artificial intelligence and machine learning, such as regression, classification, and clustering. Students gain hands-on experience with essential scientific computing libraries, including NumPy, SciPy, and Matplotlib. By the end of the course, students will have a solid foundation in Python programming and its applications in data structures, algorithms, and AI-driven problem-solving.

0101	Zoltan Safar Tu 4:00pm - 6:40pm	Seats (Total: 39) JMP 2222

AEC1	Zoltan Safar	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ENBC Biocomputational Engineering Fall 2025

ENBC301 **Introduction to Biocomputational Engineering**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and must be in Biocomputational Engineering major.

Provides practical tools to help Biocomputational Engineering majors to think critically about their goals and career paths and to utilize their major to set their career trajectory.

ESG1	Sivan Saravanapavan	Seats (Total: 20)
	W 1:30pm - 2:20pm	BLD4 4321
	Restricted to Biocomputational Engineering students at Shady Grove.	

ENBC311 **Python for Data Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH241; and minimum grade of C- in BIOE241 or approved prior study in Matlab. Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and must be in the Biocomputational Engineering major. Credit only granted for: BIOE489A, BIOE442 or ENBC311.

Provides an introduction to structured programming, computational methods, and data analysis techniques with the goal of building a foundation allowing students to confidently address problems in research and industry. Fundamentals of programming, algorithms, and simulation are covered from a general computer science perspective, while the applied data analysis and visualization portion makes use of the Python SciPy stack.

ESG1	Bahaa Ghammraoui	Seats (Total: 20)
	M 5:00pm - 7:30pm	BLD3 4206
	Restricted to Biocomputational Engineering students at Shady Grove.	

ENBC322 **Algorithms**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Corequisite: Must have completed with a minimum grade of C- or be concurrently enrolled in ENBC311. Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and must be in the Biocomputational Engineering major. Credit only granted for: ENEB355 or ENBC322.

Presents an introduction to the techniques for designing efficient computer algorithms and analyzing their complexity using the Python programming language. Students will gain insight into principles and data-structures useful in algorithm design. General topics include asymptotics, sorting and searching, hashing, algorithm design techniques, graph algorithms, and dynamic programming.

ESG1	Kyunghun Lee	Seats (Total: 20)
	W 5:00pm - 7:30pm	BLD4 4321
	Restricted to Biocomputational Engineering students at Shady Grove.	

ENBC331 **Applied Linear Systems and Differential Equations**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BIOE241 or approved prior study in Matlab. Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and must be in the Biocomputational Engineering major. Credit only granted for: BIOE371 or ENBC331.

Applications of linear algebra and differential equations to bioengineering and biomolecular systems. Designed to instruct students to relate mathematical approaches in bioengineering to their physical systems. Examples will emphasize fluid mechanics, mass transfer, and physiological systems.

ESG1	Lan Ma	Seats (Total: 20)
	TuTh 10:30am - 11:45am	BLD4 4321
	Restricted to Biocomputational Engineering students at Shady Grove.	

ENBC332 **Statistics, Data Analysis, and Data Visualization**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BIOE241 or approved prior study in Matlab. Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and must be in the Biocomputational Engineering major. Credit only granted for: BIOE372, ENBC332 or STAT464.

Instructs students in the fundamentals of probability and statistics through examples in biological phenomenon and clinical data analysis. Data visualization strategies will also be covered.

ESG1	Jamasp Azarnoosh	Seats (Total: 20)
	MW 12:00pm - 1:15pm	BLD4 4321
	Restricted to Biocomputational Engineering students at Shady Grove.	

ENBC341 **Biomolecular Engineering Thermodynamics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in PHYS260 and PHYS261. Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and must be in the Biocomputational Engineering major. Credit only granted for: BIOE232, ENBC341 or CHBE301.

A quantitative introduction to thermodynamic analysis of biomolecular systems. The basic laws of thermodynamics will be introduced and explained through a series of examples related to biomolecular systems.

ESG1	Jarred Callura	Seats (Total: 20)
	TuTh 2:30pm - 3:45pm	BLD4 3335
	Restricted to Biocomputational Engineering students at Shady Grove.	

ENBC353 **Synthetic Biology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI170 or BIOE120. Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and must be in the Biocomputational Engineering major. Credit only granted for: BIOE461 or ENBC353.

Introduces students to the scientific foundation and concepts driving the fast-paced field of synthetic biology. This course aims to apply engineering principles, measurement science, and modern molecular biology to increase understanding of complex biological systems and to develop novel applications that address global challenges in health, manufacturing, energy, agriculture, and the environment. Students will explore the principles and applications of the field via in-depth analysis. The course will also address the societal issues of synthetic biology, and briefly examine interests to regulate research in this area.

ESG1	Jarred Callura	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	BLD4 3335
	Restricted to Biocomputational Engineering students at Shady Grove.	

ENBC399 **Independent Study in Biocomputational Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent Study

ESG1	Nan Xu	Seats (Total: 1)
	Contact instructor or department for details.	
	Restricted to Biocomputational Engineering students at Shady Grove.	
ESG2	Lan Ma	Seats (Total: 1)
	Contact instructor or department for details.	

ESG3	Jamasp Azarnoosh	Seats (Total: 1)
	Contact instructor or department for details.	
	Restricted to Biocomputational Engineering students at Shady Grove.	
ESG4	Lan Ma	Seats (Total: 1)
	Contact instructor or department for details.	

ENBC423 **Applied Computer Vision**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENBC311 and ENBC312.

Introduction to the basics and modern deep learning models in the Artificial Intelligence field of computer vision. The course emphasizes applications of computer vision in medical imaging. Computer vision techniques will be demonstrated using software packages implementing bioimage informatics methods.

ESG1	Jian Su	Seats (Total: 20)
	Tu 5:00pm - 7:30pm	BSE4 4308
	Restricted to Biocomputational Engineering students at Shady Grove.	

ENBC425 **Imaging and Image Processing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENBC332, ENBC311, and ENBC321. Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and must be in Biocomputational Engineering major.

Instructs students in the fundamentals of biomedical imaging and image processing methods through the physical principles behind major medical imaging modalities, including X-Ray, Computed Tomography (CT), and magnetic resonance imaging (MRI). This course is designed to instruct students in mathematical tools for extracting information from images. There will be real-world assignments and images, which aid in learning complex theories, applications, and coding libraries in a simple way.

ESG1	Jamasp Azarnoosh	Seats (Total: 20)
	MW 2:30pm - 3:45pm	BLD4 4321
	Restricted to Biocomputational Engineering students at Shady Grove.	

ENBC431 **Finite Element Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENBC331. Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and must be in the Biocomputational Engineering major.

An introduction to the theory, programming and application of the finite element method that is used to solve problems in engineering analysis and design. Modeling, analysis, and design using the FEA software SolidWorks. The objective of the course is to teach the fundamentals of the finite element method with emphasis on the underlying theory, assumption, and modeling issues as well as providing hands-on experience using finite element software to model, analyze, and design systems.

ESG1	Lan Ma	Seats (Total: 20)
	MW 11:45am - 1:00pm	BLD4 2335
	Restricted to Biocomputational Engineering students at Shady Grove.	

ENCE Engineering, Civil Fall 2025

ENCE100 **Introduction to Civil and Environmental Engineering**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

An overview of the department of Civil and Environment Engineering. Students are introduced to the undergraduate curriculum and will be exposed to other undergraduate and graduate students at various points in their program. The course blends panel presentations by seniors and graduate students, faculty and practitioners with a project and book review to be performed by the students.

0101	Natasha Almeida e Andrade	Seats (Total: 110)
	W 1:00pm - 1:50pm	CHE 2110

ENCE201 **Engineering Information Processing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES220 and MATH241; and permission of ENGR-Civil & Environmental Engineering department. Corequisite: MATH246. Credit only granted for: ENCE201 or ENCE203.

Exploration of algorithms for solving problems in several important areas of numerical computing: roots of equations; matrix algebra and the systems of linear equations; function approximation, numerical differentiation and integration; and ordinary differential equations. Issues of solution accuracy, robustness, and efficiency are also considered. Numerical techniques are presented in the context of engineering applications, and example problems are solved using a variety of computer-based tools (primarily MATLAB).

0101	Mark Austin	Seats (Total: 55)
	MWF 2:00pm - 2:50pm	KEB 1110

ENCE202 **Engineering Drawings and Design for Civil and Environmental Engineers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENES100, ENES102, and MATH141. Restriction: Permission of the ENGR-Civil & Environmental Engineering Department. Credit only granted for: ENCE202 or ENCE200. Formerly: ENCE200.

Provides students with the knowledge and skills to read, interpret, and create civil engineering drawings using computer-aided drafting. Emphasis is placed on engineering calculations related to slopes, inverts, and contours. In addition, students will develop core skills in data visualization, basic programming logic, and professional communication. The course integrates teamwork exercises and real-world scenarios to enhance students' understanding of constructability and design communication. By the end of the course, students will create a complete engineering drawing package.

0101	Frank White MW 2:00pm - 3:15pm	Seats (Total: 40) EGR 1156	
0201	Frank White MW 3:30pm - 4:45pm	Seats (Total: 40) EGR 1156	

ENCE205 **Biology for Civil and Environmental Engineers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH140 or equivalent. Restriction: Must be in the Civil Engineering program; or permission of the Civil and Environmental Engineering Department. Credit only granted for: BIOE120 or ENCE205.

Introduction to the functions and interactions of biological systems in civil and environmental engineering systems in the context of societal issues. The course includes an introduction to biotechnological principles from a quantitative perspective, modern experimental techniques in biotechnology and methods of data analysis. Roles for civil and environmental engineers in society seen from a biotechnological perspective, and the role of biotechnology in civil and environmental engineering will be elucidated. The role of biotechnology in other engineering disciplines will also be discussed.

0101	Birthe Kjellerup Shirtliff TuTh 2:00pm - 2:50pm M 9:00am - 12:00pm	Seats (Total: 12) PHY 1219 EGR 0136	 Lab
0102	Birthe Kjellerup Shirtliff TuTh 2:00pm - 2:50pm M 3:00pm - 6:00pm	Seats (Total: 12) PHY 1219 EGR 0136	 Lab

ENCE215 **Engineering for Sustainability**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM135; or students who have taken courses with comparable content may contact the department; and permission of ENGR-Civil & Environmental Engineering Department.

Engineers have a key role to play in planning, designing, building, and ensuring a sustainable future. In this class, a problem-based approach is used to examine fundamentally-based analyses and approaches for engineering as sustainable society, with a focus on sustainable use of energy and materials, sustainable infrastructure solutions, atmospheric sustainability and sustainable water supply, and human population growth and resource consumption and its implications for sustainability.

0101	Natasha Almeida e Andrade TuTh 8:00am - 9:15am	Seats (Total: 36) JMP 2202	
0201	Natasha Almeida e Andrade TuTh 9:30am - 10:45am	Seats (Total: 36) JMP 2202	

ENCE300 **Fundamentals of Engineering Materials**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES220; and permission of ENGR-Civil & Environmental Engineering department.

Behavior, physical, mechanical and chemical properties, design and performance of civil engineering materials, including aggregates, cement, concrete, asphalt binders and mixtures, plastics and geosynthetics, timber, metals and alloys. Modified and advanced highway materials (polymer and rubber modified mixtures, high performance concrete, composites, smart materials). Laboratory testing with hands-on experience on aggregates, Portland cement concrete, asphalt mixtures, timber and metals as per SUPERAVE, ACI design methods, and ASTM standards and specifications.

Restricted to students in the College of Engineering.

0101	Dimitrios Goulias Tu 12:30pm - 2:30pm Th 10:30am - 12:30pm	Seats (Total: 18) HJP 2242 EGL 0120	 Lab
0102	Dimitrios Goulias Tu 12:30pm - 2:30pm Th 12:30pm - 2:30pm	Seats (Total: 18) HJP 2242 EGL 0120	 Lab
0103	Dimitrios Goulias Tu 12:30pm - 2:30pm Th 2:30pm - 4:30pm	Seats (Total: 18) HJP 2242 EGL 0120	 Lab

ENCE302 **Probability and Statistics for Civil and Environmental Engineers**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH246 and ENCE201; and permission of ENGR-Civil & Environmental Engineering department.

Statistics is the science of data. Civil Engineers must often make decisions based on incomplete, variable or uncertain information. In addition, modern methods of design and analysis need to account for variability in natural, engineered and human systems. After successful completion of this class, a student should have facility and familiarity with established basic techniques for managing data, modeling variability and uncertainty, communicating about data and decisions, and supporting or defending a decision or judgment based on uncertain or incomplete data.

Restricted to students in the College of Engineering.

0101	Allison Reilly MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 40) EGR 1104 CSI 2120
0201	Allison Reilly MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 40) CHM 2201 CHM 2201

ENCE305 **Fundamentals of Engineering Fluids**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES220, PHYS260, and PHYS261; and permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: BIOE331, ENCE305, ENFP300, or ENME331.

The theoretical bases for fluid statics and dynamics, including the conservation of mass, energy and momentum. Modeling of hydraulic systems are introduced. Emphasis on pipe flow and open-channel hydraulics, with real-world applications.

0101	Guangbin Li MWF 11:00am - 11:50am	Seats (Total: 35) EGR 2154
0102	Kaye Brubaker MWF 10:00am - 10:50am	Seats (Total: 35) EGR 2154

ENCE310 **Introduction to Environmental Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS260 and ENCE215; and permission of ENGR-Civil & Environmental Engineering department.

Introduction to the physical, chemical and biological systems relating to the quality of water, land and air environments. Fundamental principles will be emphasized, current environmental pollution problems will be examined and methods of pollution abatement discussed.

0101	Guangbin Li	Seats (Total: 30)
	TuTh 8:00am - 9:15am	EGR 2116

ENCE320 **Introduction to Project Management**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A James Clark School of Engineering. Credit only granted for: BMGT485, ENCE320, ENCE325, INST408O or INST453.

Principles and techniques of managing engineering projects from the initiation, through planning, execution, monitoring & control, then finally closeout.

Restricted to students in the College of Engineering.

0101	John Johnson	Seats (Total: 75)
	Th 5:00pm - 7:30pm	CSI 2117

ENCE325 **Introduction to Construction Project Management**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in a major in ARCH-School of Architecture, Planning, & Preservation; or must be in the Construction Project Management minor. And permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: BMGT485, ENCE320, ENCE325, INST408O or INST453.

Learn the basic topics in sourcing, planning, financing, designing, contracting, constructing and operating buildings and other facilities in the built infrastructure. Topics include construction economics, design constructability reviews, construction process planning, contracts and procurement strategies, project scheduling and resource utilization, site layout planning, project cost and quality controls, temporary structures, environmental sustainability, project handover procedures, facility operation and management, IT-based tools for construction project and resource management.

0101	Miroslaw Skibniewski	Seats (Total: 55)
	Th 5:00pm - 7:30pm	KEB 1110

ENCE340 **Fundamentals of Geotechnical Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES220; and permission of ENGR-Civil & Environmental Engineering department.

Introductory study of soils in civil engineering. Soil origin, phase relationships and classification schemes. Soil hydraulics: capillary, effective stress, permeability and seepage considerations. Basic stress distribution theories and soil consolidation-settlement analysis. Integration of shear strength evaluation with slope stability analysis. If time permits, topics such as applications in geoenvironmental engineering will be covered.

0101	Ahmet Aydilek TuTh 9:30am - 10:45am	Seats (Total: 57) MCB 1207

ENCE353 **Introduction to Structural Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department; and (MATH246 and ENES220).

The basic tools of structural analysis and design. Design loads. Equilibrium of external and internal forces. Shear and moment diagrams in beams and frames. Truss analysis. Influence line diagrams. The slope-deflection method and method of consistent deformation. Matrix stiffness methods for beams, frames and trusses.

Restricted to students in the College of Engineering.

0101	Mark Austin MWF 9:00am - 9:50am	Seats (Total: 60) PHY 1201

ENCE360 **Analysis of Civil Engineering Systems**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE201 and MATH140; and permission of ENGR-Civil & Environmental Engineering department.

Introduction to systems approach and systems analysis in civil and environmental engineering. Introduction to systems analysis tools that facilitate engineering management decision making including optimization and computer simulation. Introduction to linear and nonlinear mathematical optimization including linear and integer programming, elementary nonlinear programming and dynamic programming.

0101	Ali Haghani TuTh 9:30am - 10:45am	Seats (Total: 36) EGR 1156
0102	Ali Haghani TuTh 11:00am - 12:15pm	Seats (Total: 36) EGR 1156

ENCE370 **Introduction to Transportation Engineering and Planning**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE201, PHYS260, and PHYS261; and permission of ENGR-Civil & Environmental Engineering department.

Engineering problems of transportation by highways, airways, pipelines, waterways, and railways. Transportation modes and technologies, vehicle dynamics, basic facility design, traffic stream models, capacity analysis, transportation planning, evaluation and choice, and network analysis.

Restricted to students in the College of Engineering.

0101	Cinzia Cirillo MWF 1:00pm - 1:50pm	Seats (Total: 60) EGR 0108	

ENCE411 **Environmental Engineering Science**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE205 and ENCE310; and permission of ENGR-Civil & Environmental Engineering department.

Introduces the analytical techniques available to assess performance of engineering processes as they relate to water, soil, and air treatment and quality. The basic principles of environmental management, economics of waste treatment, by-product reutilization, and energy cycles are introduced and discussed. Alternative technologies are introduced and evaluated mostly by assessing their potential to reduce waste, minimize energy use, and promote sustainability. Students' activities include, a weekly lab to provide hands-on experience with environmental quality measurements and treatment techniques; on-site visits to regional industries that undertake sustainable practices; and a final research project where experimental design and laboratory techniques are used to assess interactions between technologies and natural systems and their potential for reducing environmental impacts.

0101	Marya Anderson TuTh 11:00am - 11:50am W 10:00am - 1:00pm	Seats (Total: 12) CHE 2145 EGR 0136	 Lab
0102	Marya Anderson TuTh 11:00am - 11:50am W 2:00pm - 5:00pm	Seats (Total: 12) CHE 2145 EGR 0136	 Lab

ENCE422 **Project Cost Accounting and Economics**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in the Construction Project Management Minor; or must be in the Project Management Minor.

Learn: the fundamentals of accounting; project cost accounting principles as they apply to project management; project cost accounting; and the fundamentals of engineering economics.Topics include: project feasibility analysis; reading and analyzing financial statements; cash management; cash flow analysis; depreciation and taxes; and impact on profitability; the principles of activity based costing; net present value analysis; the framework for project performance measurement, cost performance indices, and earned value analysis.

0101	Qingbin Cui	Seats (Total: 60)
	M 5:00pm - 7:30pm	EGR 0108

ENCE423 **Project Planning, Estimating & Scheduling**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in the Construction Project Management Minor; or must be in the Project Management Minor. And permission of ENGR-Civil & Environmental Engineering department.

Learn the fundamentals of project planning, estimating, and scheduling. Understand the concepts of planning; to reduce uncertainty, improve efficiency of the operation, to set and meet objectives, and to provide a basis for monitoring and controlling the work. Be introduced to: the concepts of resource definition, assignment and management, and; the basics of project estimating (pricing) methods including global pricing strategies, types of estimates, pricing processes, overhead and profit, and project financing.Learn the basics of project scheduling including; bar charts, network-based methodologies, and linear scheduling techniques. Emphasis is placed on Critical Path Method (CPM) scheduling, a network based methodology. Be exposed to the use of scheduling software and will actually develop a CPM schedule for an actual construction project as part of a semester project.

Restricted to students in the College of Engineering.

0101	Kenneth O'Connell	Seats (Total: 40)
	Tu 5:00pm - 7:30pm	CHM 2201

ENCE424 **Communication for Project Managers**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in the Construction Project Management minor; or must be in the Project Management minor. Jointly offered with: ENCE614. Credit only granted for: ENCE424 or ENCE614.

Learn the fundamentals of communications for project managers. Emphasis is on interpersonal and group communications; through voice, electronic, and written messages; project cycle and reports and presentations during this cycle; and communications for employment.

0101	Shana Webster-Trotman Tu 5:00pm - 7:30pm	Seats (Total: 25) IRB 1207

ENCE426 **Construction Documentation and BIM Applications in Engineering and Construction**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in the Construction Project Management Minor; or must be in the Project Management Minor.

Learn the basics of construction documentation methods, with particular emphasis on Building Information Modeling (BIM). Topics include: the fundamentals of assembly, coordination, and maintenance of construction documents and implementation of BIM techniques in the design and construction processes, and; a review of Autodesk, Revit, and Navisworks and other leading BIM software. Lectures from project management faculty supplemented by guest lecturers from the construction industry.

0101	Kiley Wilfong Cullen Tu 2:00pm - 4:30pm	Seats (Total: 40) EGR 1156
0201	Kiley Wilfong Cullen Tu 5:00pm - 7:30pm	Seats (Total: 40) EGR 1156

ENCE432 **Ground Water Hydrology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE305; and permission of ENGR-Civil & Environmental Engineering department.

Concepts related to the development of the ground water resources, hydrology, hydrodynamics of flow through porous media, hydraulics of wells and basin-wide ground water development. Fundamentals of ground water pollution are introduced.

Restricted to students in the College of Engineering.

0101	Kaye Brubaker MWF 9:00am - 9:50am	Seats (Total: 42) EGR 1104

ENCE441 **Foundation Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE340; and permission of ENGR-Civil & Environmental Engineering department.

Critical review of classical lateral earth pressure theories, analysis of retaining walls and reinforced earth walls, subsurface explorations, bearing capacity and settlement of shallow foundations, design of deep foundations that includes both pile foundations and drilled shafts.

Restricted to students in the College of Engineering.

0101	Mohamed Aggour TuTh 11:00am - 12:15pm	Seats (Total: 70) CCC 1100	

ENCE444 **Experimental Methods in Geotechnical Structural Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE353 and ENCE340; and permission of ENGR-Civil & Environmental Engineering department.

In the geotechnical engineering part of the course, major soils testing and their interpretation including classification, compaction, strength, and compressibility will be undertaken. The structural engineering part of this course covers test planning, loading apparatus, instrumentation, data acquisition and data analysis, as well as basic aspects of structural testing techniques and shake-table test.

0101	Yunfeng Zhang, Ahmet Aydilek Tu 12:30pm - 1:30pm W 1:00pm - 4:00pm	Seats (Total: 12) KEB 1200 EGL 0120	 Lab
0201	Yunfeng Zhang, Ahmet Aydilek Tu 12:30pm - 1:30pm W 1:00pm - 4:00pm	Seats (Total: 12) MTH B0431 EGL 0106	 Lab

ENCE454 **Design of Concrete Structures**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE353; and permission of ENGR-Civil & Environmental Engineering department. Formerly: ENCE451.

Combined bending and compression, development and anchorage of reinforcement, deflections, design of slabs including one-way and two-way, design of footings, retaining walls, introduction to prestressed concrete, design of multi-story buildings.

0101	Peter Chang MWF 11:00am - 11:50am	Seats (Total: 25) EGR 2116	
0201	Peter Chang MWF 10:00am - 10:50am	Seats (Total: 30) EGR 2116	

ENCE465 **Civil and Environmental Engineering Design I**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE201 and ENCE215. Restriction: Permission of the ENGR-Civil & Environmental Engineering Department.

Provides students an opportunity to develop their skills in project scoping and the development of design proposals. The fundamental concepts are taught using analytical and computational methods, which are necessary for designing and analyzing the sustainability of various engineering processes and technologies. The course provides the methods and skills for understanding the human-environment-infrastructure interactions needed to develop a design proposal.

0101	Deb Niemeier	Seats (Total: 120)
	Th 12:30pm - 1:20pm	EGR 1202

ENCE470 **Highway Engineering**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE302 and ENCE370; and permission of ENGR-Civil & Environmental Engineering department.

Highway location and design, highway engineering economics, traffic engineering, traffic measurement devices and technologies. Includes discussion of technological advances in traffic flow and capacity, such as signal systems, corridor control, automatic driver information, incident detection and autonomous vehicle operation.

Restricted to students in the College of Engineering.

0101	ShiaauLir Wang	Seats (Total: 40)
	MWF 10:00am - 10:50am	CSI 3120

ENCE489 **Special Problems in Civil Engineering**

Credits: 1-4

Grading Method: Regular, Pass-Fail, Audit

A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.

Contact department for information to register for this course.

ENCE489C **Special Problems in Civil Engineering; Ground Water Extraction**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.

0101	Yaron Sternberg M 12:00pm - 12:50pm	Seats (Total: 20) ANS 0422

ENCE489L **Special Problems in Civil Engineering; Risk Analysis in Engineering and Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.

Cross-listed with ENCE620, ENRE648M, and ENSE698R. Credit only granted for ENCE489L, ENCE620, ENRE648M, or ENSE698R.

0101	Bilal Ayyub W 2:00pm - 4:40pm	Seats (Total: 20) EGR 3114

ENCE602 **Project Procurement Management**

Credits: 3 Grading Method: Regular, Audit

Fundamental concepts and techniques for project acquisition and procurement are presented. Students are introduced to the PMBOK Guide six-step procurement process and expected to develop an in-depth understanding of project evaluation, planning, financing, contracting, negotiation, and procurement execution. It will also cover emerging methods, principles, and practices in infrastructure project procurement, including Public-Private Partnerships, Carbon project procurement, and Clean Development Mechanism.

0101	Qingbin Cui M 1:00pm - 3:40pm	Seats (Total: 17) JMP 2120

ENCE607 **Mastering Agile Project Management**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Learn how and why Agile project management is the fastest growing and most successful project management philosophy today. Learn the mechanics of how to design and facilitate projects using pure Agile Scrum and Lean Kanban techniques; The tradeoffs of using hybrid techniques such as Lean Startup, Scaled Agile for the Enterprise, and Disciplined Agile Development. Then go beyond these frameworks to the science beneath with the essential principles to ensure you get the best benefits of Agile project management methods.

0101	John Johnson Tu 5:00pm - 7:40pm	Seats (Total: 25) IRB 2107
PM01	John Johnson Tu 5:00pm - 7:40pm	Seats (Total: 25) ONLINE

ENCE613 **Structural Dynamics**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Formerly: ENCE653.

Analysis of the dynamic response of structrues and structural components subjected to impact load, transient load, and ground excitations; study of single degree-of-freedom and multi degree-of-freedom systems in classical closed form solution and approximate numerical solution; solution in the frequency domain and the use of finite element method.

0101	Yunfeng Zhang W 5:00pm - 7:30pm	Seats (Total: 25) EGR 3114

ENCE614 **Communications for Project Managers**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in the A. James Clark School of Engineering or the School of Architecture. Jointly offered with: ENCE424. Credit only granted for: ENCE424 or ENCE614.

Learn the fundamentals of communications for project managers. Emphasis is on interpersonal and group communications; through voice, electronic, and written messages; project cycle and reports and presentations during this cycle; and communications for employment.

0101	Shana Webster-Trotman Tu 5:00pm - 7:30pm	Seats (Total: 5) IRB 1207

ENCE620 **Risk Analysis in Engineering and Economics**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of the Civil and Environmental Engineering Department. Jointly offered with: ENCE410. Credit only granted for: ENCE410, ENCE620, ENCE489L, ENRE648M or ENSE698R. Formerly: ENRE648M and ENSE698R. Additional information: Students must have prior coursework similar to the content offered in undergraduate course ENCE303.

Covers quantitative risk analysis and management using probability theory and statistics starting with system definition, hazard and scenario identification, likelihood estimation and consequence assessment, and finishes with economic valuation and microeconomics for informing decision making. Students will learn uncertainty, risk; natural and anthropogenic hazards and fundamental risk methods; analytical and empirical reliability and resilience estimation for components and systems; consequence, severity and loss analysis and accumulation including property and life; risk-cost-benefit tradeoffs and analysis; microeconomics and socioeconomics in risk analysis for informing decisions; and expert-opinion elicitation; among others.

Cross-listed with ENCE489L, ENRE648M, and ENSE698R. Credit only granted for ENCE489L, ENCE620, ENRE648M, or ENSE698R.

0101	Bilal Ayyub	Seats (Total: 20)
	W 2:00pm - 4:40pm	EGR 3114

ENCE622 **Construction Automation & Robotics**

Credits: 3 Grading Method: Regular, Audit

Covers advanced technologies leading to redesign and partial or full automation of selected construction processes utilizing industrial robotics. Lectures and presentations will cover topics such as basic robotic technology (robot kinematics and dynamics, industrial manipulators, mobility bases, end effectors, sensors, control systems, and robot task programming), design of automated construction processes, selection of means and methods for automated construction processes, robot ergonomics and safety, calculation of costs and benefits of construction robots in selected applications, engineering and economic feasibility of automation and robotics in the construction industry.

PM01	Miroslaw Skibniewski	Seats (Total: 25)
	Class time/details on ELMs	ONLINE
	Weekly video conference: TBA.	

ENCE627 **Project Risk Management**

Credits: 3 Grading Method: Regular

Restriction: Must not have completed ENCE627.

Introduction to identifying, analyzing, assessing, and managing risks inherent to engineering projects. Includes: probability modeling, choice and value theory, schedule and cost risk, risk mitigation and transfer, and contract considerations of project risk. Examples are drawn from construction, software development, systems integration, and other large engineering projects; and cover probability basics, subjective probability, statistical data analysis, introduction to decision theory, Monte Carlo simulation, value of information, and risk-based decision making.

PM01	Gregory Baecher	Seats (Total: 40)
	Class time/details on ELMs	ONLINE
	Weekly video conferences: Thursday 7:00am-8:00am or by arrangement with the instructor.	

ENCE650 **Process Dynamics in Environmental Systems**

Credits: 3 Grading Method: Regular, Audit

Formerly: ENCE636.

The fundamentals of heterogeneous equilibria, rates of environmental reactions, and flow and material transport or presented. Applications of these principles will be presented to small and large scale environmental problems involving liquid, gas, and solid phases. Both natural and engineered environmental systems will be examined.

0101	Allen Davis TuTh 9:30am - 10:45am	Seats (Total: 20) CHE 2140

ENCE652 **Microbiological Principles of Environmental Engineering**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Credit only granted for: ENCE637 or ENCE652. Formerly: ENCE637.

An examination of microbiological principles directly affecting humans and the surrounding environment. Special emphasis is given to the understanding of microbial physiology and in environmental engineering related to water and land systems including aerobic and anaerobic treatment processes involved in nutrient/waste recycling as well as impact of xenobiotic compounds on processes water, soil and sediment.

0101	Birthe Kjellerup Shirtliff TuTh 11:00am - 12:15pm	Seats (Total: 20) EGR 1102

ENCE662 **Introduction to Project Management**

Credits: 3 Grading Method: Regular, Audit

Introduction to project management including: overview and concepts of project management (principles, body of knowledge, strategies); planning successful projects (defining, specifying, delivery options, scheduling, budgeting); implementing (organizing the team, work assignments, team building, effective leadership); executing (performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management); and closeout(performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management).

0101	John Johnson W 5:00pm - 7:40pm	Seats (Total: 36) HJP 2217
PM01	John Johnson W 5:00pm - 7:40pm	Seats (Total: 24) ONLINE

ENCE664 **Legal Aspects of Engineering Design and Construction**

Credits: 3 Grading Method: Regular, Audit

Examines ways in which the legal system affects the design and construction process. Focuses on contract types and the relationships between the parties in different delivery systems. Covers basics of procurement protocols along with negotiating techniques and strategies. Topics include contract law, the relationships between the parties, tort and negligence law, and the statutory principles affecting construction.

Weekly video conference after 7:50 p.m.

0101	Mark Groff M 4:00pm - 6:40pm	Seats (Total: 15) JMP 2121
PM01	Thomas Barham, Thomas Powell, Mark Groff M 4:00pm - 6:40pm *Click here for more course information.*	Seats (Total: 30) ONLINE

ENCE666 Cost Engineering and Control

Credits: 3 Grading Method: Regular, Audit

Analytical techniques to estimate and control project costs, including site investigation, quantity takeoff, work analysis, and bid preparation. Systematic cost control as related to job production and historical data. Includes the fundamentals of different types of cost estimating, the appropriate use of each, and examination of popular software. This course is designed to help students develop the ability to utilize techniques of cost estimating, cost and schedule control and project management as they apply to engineering and construction work. Students will understand why it is crucial to understand the various types of cost estimating and the appropriate use of each, activity-based costing, conceptual estimating and budgeting, unit cost estimating, parametric estimating, detailed estimating, learning curves and progress functions.

PM01	Neil Schulman Class time/details on ELMs *Weekly video conferences: Tuesday 1:00-3:40pm.*	Seats (Total: 30) ONLINE

ENCE670 Highway Traffic Characteristics and Measurements

Credits: 3 Grading Method: Regular, Audit

The study of the fundamental traits and behavior patterns of road users and their vehicles in traffic. The basic characteristics of the pedestrian, the driver, the vehicle, traffic volume and speed, stream flow and intersection operation, parking, and accidents.

0101	Gang-Len Chang Th 5:00pm - 7:45pm	Seats (Total: 29) MTH 0302

ENCE672 Regional Transportation Planning

Credits: 3 Grading Method: Regular, Audit

Factors involved and the components of the process for planning statewide and regional transportation systems, encompassing all modes. Transportation planning studies, statewide traffic models, investment models, programming and scheduling.

0101	Paul Schonfeld	Seats (Total: 25)
	Tu 4:00pm - 6:45pm	EGR 3102

ENCE688D **Advanced Topics in Civil Engineering; Multiphysics Modeling for Geotechnical and Geoenvironmental Engineering**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.

Prerequisites: ENCE 340 or equivalent. This course focuses on the application of computational modeling techniques with a strong emphasis on the finite element method (FEM) to solve complex problems in geotechnical and geoenvironmental engineering. Students will learn to analyze stress-deformation, fluid flow, and coupled multiphysics processes in porous geomaterials. The emphasis will be on analyzing and modeling of stress-strain behavior in saturated and unsaturated soils, consolidation and unsaturated flow processes, waste containment and landfill barrier system performance, and coupled flow phenomena in climate-resilient and sustainable geosystems. Additional topics include data-informed modeling, machine learning integration, and AI-enhanced simulations for geotechnical and geoenvironmental applications.

0101	Jongwan Eun	Seats (Total: 24)
	Th 5:00pm - 7:30pm	EGR 1102

ENCE688F **Advanced Topics in Civil Engineering; Teaching and Learning Practicum**

Credits: 1-3 Grading Method: Regular, Audit, Sat-Fail

Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.

0101	Allen Davis, Guangbin Li, Alba Torrents Capdevila, Birthe Kjellerup Shirtliff	Seats (Total: 15)
	Tu 4:00pm - 5:00pm	ONLINE

ENCE688G **Advanced Topics in Civil Engineering; Survey Methods and Data Analytics for Transportation**

Credits: 1-3 Grading Method: Regular, Audit, Sat-Fail

Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.

This course will cover the fundamentals of survey instrument design, including sampling procedures, and will expose students to key transportation data sources. These include the National Household Travel Survey, Sated Preference data, and large-scale data derived from passenger and freight trajectories.

0101	Cinzia Cirillo	Seats (Total: 20)
	W 10:00am - 12:30pm	JMP 1109

ENCE688M **Advanced Topics in Civil Engineering; Pavement Engineering: Design, Materials, and Emerging Technologies with AI/ML Applications**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.

This course introduces the principles and practices of pavement engineering, with a special emphasis on integrating artificial intelligence (AI) and machine learning (ML) into pavement evaluation, design, and management. Students will gain a strong foundation in pavement materials, structural design, and mechanistic-empirical methods, while exploring advanced computational tools for predictive modeling, image-based condition assessment, and intelligent pavement management.

0101	Nii O Attoh-Okine, Jongwan Eun, Dimitrios Goulias	Seats (Total: 20)
	Tu 5:00pm - 7:30pm Class time/details on ELMs	EGR 1110 ONLINE

ENCE688N **Advanced Topics in Civil Engineering; Railway Engineering**

Credits: 1-3 Grading Method: Regular, Audit, Sat-Fail

Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.

0101	Nii O Attoh-Okine	Seats (Total: 12)
	W 5:00pm - 7:30pm	EGR 3111

ENCE688T **Advanced Topics in Civil Engineering; Disaster Resilience Seminar**

Credits: 1 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.

This seminar with address varied topics in identifying, analyzing, assessing, and managing engineered systems resilient to natural, anthropogenic, and other hazards. This seminar series comprises guest lectures and internal faculty and student presentations on topics related to disaster resilience. Examples are drawn from foundational concepts; hazard science; planning, engineering, and design; risk and resilience assessment; and implementation.

0101	Michelle Bensi	Seats (Total: 25)
	W 9:00am - 9:50am	EGR 1102

ENCE688X **Advanced Topics in Civil Engineering; Fundamentals of Probability and Statistics for Civil Engineering Research**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.

Prerequisites: Calculus, linear algebra, basic knowledge of coding language (MATLAB, R, or Python). This class provides graduate students in civil engineering with the foundational knowledge of probability and statistics needed to embark on more advanced study. The approach to probability and statistics is tailored to the problems typically encountered in civil engineering applications. In addition, this course allows students to enhance their skills in processing, visualizing, and analyzing data using widely accepted coding environments.

0101	Michelle Bensi	Seats (Total: 15)
	M 1:00pm - 3:40pm	KEB 2107

ENCE689 **Seminar**

Credits: 1-16 Grading Method: Regular, Audit

Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENCE899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCO Engineering, Cooperative Education Fall 2025

ENCO099 **Co-Op/Intern Work Experience**

(Perm req)

Credits: 0 Grading Method: Sat-Fail

Participation in a cooperative education (co-op) or internship program enables students to apply the theories that they have learned in their traditional classes with paid, supervised, career-related work experience that develops technical and professional work skills. Contact the Engineering Co-op & Career Services Office.

If dropping course, see Withdrawal and Refund of Fees - Special Refund Deadlines in the Financial Information section of the Schedule of Classes.

0101	Lizzy Solovey, Veronica Perrigan	Seats (Total: 200)
	Contact instructor or department for details.	

ENEB Cyber-Physical Systems Engineering Fall 2025

ENEB302 **Analog Circuits**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in PHYS260 and PHYS261; and 1 course with a minimum grade of C- from (MATH246, MATH241, MATH240); and permission from the Cyber-Physical Systems Engineering program required. Restriction: Must be in the Cyber-Physical Systems Engineering program.

Foundations of circuits, focusing on applications including signal amplification, power amplification, instrumentation and filters. Fundamental concepts of analog circuits including analysis methods in time and complex domains, with emphasis on circuit topologies relevant in embedded systems. Intensive application of simulations and hands-on laboratory exercises.

ESG1	Wesley Lawson	Seats (Total: 20)	
	M 10:00am - 12:30pm Th 1:30pm - 4:20pm	BLD4 5321 BLD4 5202	 Lab
	Restricted to students in the Cyber-Physical Systems Engineering Program at USG.		

ENEB340 **Intermediate Programming Concepts and Applications for Embedded Systems**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Completion of approved introductory programming course with a minimum grade of a "C-"; and permission of the Cyber-Physical Systems Engineering program required. Restriction: Must be in the Cyber-Physical Systems Engineering program.

Principles of programming for embedded systems development. Includes principles of software development in Unix, C and other high level languages, input/output, data types and variables, operators and expressions, program selection, repetition, functions, arrays, strings, introduction to algorithms, software projects, debugging, documentation. Includes hands-on applications in microprocessor environments.

ESG1	Nestor Michael Tiglao	Seats (Total: 20)	
	M 1:30pm - 3:10pm	BLD4 5321	
	Th 10:00am - 12:50pm	BLD4 3202	Lab
	Restricted to students in the Cyber-Physical Systems Engineering Program at USG.		

ENEB341 **Introduction to Internet of Things**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission from the Cyber-Physical Systems Engineering program. Restriction: Must be in the Cyber-Physical Systems Engineering program.

An introduction to the foundations of Internet of Things (IoT), including IoT devices, communications, connection considerations, back-end services/applications, and business models. This course looks at the IoTs as the general theme of physical/real-world things becoming increasingly visible and actionable via Internet and Web technologies. It also covers networking protocols and gateways, security and privacy, data analytics and cloud computing platforms.

ESG1	Nestor Michael Tiglao	Seats (Total: 20)	
	MW 4:00pm - 5:15pm	BLD4 3305	
	Tu 1:00pm - 3:00pm	BLD4 3202	Lab
	Restricted to students in the Cyber-Physical Systems Engineering Program at USG.		

ENEB344 **Digital Logic Design for Embedded Systems**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Corequisite: ENEB340; and permission from the Cyber-Physical Systems Engineering program. Restriction: Must be in the Cyber-Physical Systems Engineering program.

Hands on approach on foundations of digital logic for embedded systems applications; including input/output, logic gates, Karnaugh maps, latches, flip-flops and state-machines. This course also covers design and analysis of synchronous sequential systems, implementation with PLA's, multiplexers, decoders, encoders, binary arithmetic units such as adders and subtractors, conversions between decimal and arbitrary radix numbers, especially octal, hexadecimal, and binary representations, radix and diminished radix arithmetic, and character codes.

ESG1	Jerry Wu	Seats (Total: 20)	
	W 5:30pm - 8:00pm	BLD4 5321	
	Tu 3:30pm - 6:30pm	BLD4 3202	Lab
	Restricted to students in the Cyber-Physical Systems Engineering Program at USG.		

ENEB346 **Linear Algebra for Machine Learning Applications**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: MATH140. Restriction: Must be in the Cyber-Physical Systems Engineering program and must receive permission from the Cyber-Physical Systems Engineering program.

Foundations of linear algebra for machine learning and data science applications with emphasis on implementing machine learning data science algorithms in a computer programming environment with linear algebra software tools and libraries as this course aims to provide a hands-on experience and learning environment for students. Students will learn the fundamental concepts in linear algebra that are directly relevant to machine learning and big data modeling and computations. These include vector and matrix operations, determinants, factorization methods, principal component analysis, eigenvalues, and singular value decomposition.

ESG1	Nestor Michael Tiglao	Seats (Total: 20)
	Th 3:00pm - 5:30pm	BLD4 4321
	Restricted to students in the Cyber-Physical Systems Engineering Program at USG.	

ENEB354 **Discrete Mathematics for Information Technology**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141. Restriction: Must be in the Cyber-Physical Systems Engineering program.

Foundations of discrete mathematics for information technology and embedded computing. Topics include sets, relations, functions and algorithms, proof techniques and induction, number theory, counting and combinatorics, and Graph theory.

ESG1	Yavuz Oruc	Seats (Total: 20)
	Tu 9:30am - 12:00pm	ONLINE
	Restricted to students in the Cyber-Physical Systems Engineering Program at USG.	

ENEB408A **Capstone Design Lab; Capstone Design Lab I**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

This course is the first of a two-semester sequence of capstone design laboratory experiences required for Cyber-Physical Systems Engineering students. Students will learn the principles of design, project planning, and project management. They will develop an ability to apply engineering solutions considering public health, safety, and welfare. Students will develop a consciousness of ethical and professional responsibilities and recognition of global, cultural, social, environmental, and economic factors in the design process. Students will also develop an ability to communicate in written and oral forms and to function effectively on a team. Projects will involve hardware, including a combination of off-the-shelf and custom-made components supported by hardware descriptive language software. The projects meet specific design challenges with applications in industry, healthcare, transportation, environmental sensing, cyber-security, and machine learning.

ESG1	Nestor Michael Tiglao	Seats (Total: 20)	
	MW 11:45am - 12:35pm	BLD4 5202	
	W 1:30pm - 4:30pm	BLD4 5202	Lab

Restricted to students in the Cyber-Physical Systems Engineering Program at USG.

ENEB444 **Operating Systems for Embedded Systems**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENEB340 and ENEB344; and permission from the Cyber-Physical Systems Engineering program. Restriction: Must be in the Cyber-Physical Systems Engineering program.

Theory, design, implementation and analysis of low-resource computer operating systems for IoT applications. Through classroom lectures, homework, and projects, students learn the fundamentals of concurrency, process management, interprocess communication and synchronization, job scheduling algorithms, memory management, input-output devices, file systems, and real-time operating systems. Optional topics may include communications protocols and computer security.

ESG1	Manoj Franklin	Seats (Total: 20)	
	Th 10:00am - 12:30pm	ONLINE	
	Th 1:00pm - 1:50pm	ONLINE	Discussion

Restricted to students in the Cyber-Physical Systems Engineering Program at USG.

ENEB454 **Embedded Systems**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENEB353; and permission from the Cyber-Physical Systems Engineering program. Restriction: Must be in the Cyber-Physical Systems Engineering program.

This course will provide students with the essential knowledge base that will enable them to tackle complex problems encountered in embedded systems design. The course will provide an overview of associated hardware components and software methodologies as well as the tools used in the development of modern embedded systems. Student will be exposed to the theoretical foundations which will be reinforced with carefully selected hands-on laboratory exercises, thereby getting a sense of how the theoretical concepts connect with the real-world embedded systems applications.

ESG1	Jerry Wu	Seats (Total: 20)	
	M 5:30pm - 8:00pm	BLD4 4321	
	W 9:30am - 11:30am	BLD4 3202	Lab

Restricted to students in the Cyber-Physical Systems Engineering Program at USG.

ENED Engineering Education Fall 2025

ENED101 **Exploring Engineering Majors**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be an undecided Engineering (09000) student in the Clark School of Engineering. Additional information: .

Designed to expose students to all engineering majors and assist them in narrowing down which engineering major they want to pursue. Students will self reflect, conduct interviews and tour engineering facilities to get a better understanding of what major their interests align with the most.

0101	Shannon Bate **Meets September 8, 2025 - November 17, 2025** M 3:00pm - 4:15pm	Seats (Total: 20) EGR 1102	

ENED290H Introduction to Design and Quality

Credits: 4 Grading Method: Regular General Education: DSSP

Restriction: Must be in the Quest program. Cross-listed with: BMGT290. Credit only granted for: BMGT190, ENES190, ENED290, or BMGT290. Formerly: BMGT190 and ENES190.

The first QUEST course introduces foundational principles of design and quality, emphasizing their impact on product development and customer satisfaction. Working in multidisciplinary teams, students will explore design thinking, project management techniques, and quality tools, applying these frameworks to real-world product redesigns and innovations.

0101	Christopher Troilo TuTh 12:30pm - 1:45pm Tu 6:00pm - 7:40pm	Seats (Total: 46) VMH 1407 ESJ 2101	 Discussion

ENED390H Designing Innovative Systems

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES190, BMGT190, ENED290 or BMGT290. Restriction: Must be in the QUEST program. Cross-listed with: BMGT390. Credit only granted for: BMGT390, ENES390 or ENED390. Formerly: ENES390.

The QUEST systems thinking course challenges students to analyze how processes interact in larger systems. Students will learn how to use process improvement tools and a systems thinking approach to solve problems and design innovative solutions. By drawing upon their multidisciplinary backgrounds, students will be able to understand and reframe problems from multiple perspectives to uncover new solutions.

Restricted to QUEST Honors Program students. Cross-listed with BMGT390H.

0101	Tony Barber TuTh 5:00pm - 6:15pm	Seats (Total: 50) VMH 1335

ENED394H **Applied Quantitative Analysis**

Credits: 3 Grading Method: Regular

Restriction: Must be in the QUEST Program. Cross-listed with: BMGT394. Credit only granted for: BMGT394, ENED394, ENES489A or BMGT438A. Formerly: BMGT438A and ENES489A.

The QUEST data analysis course takes a human-centered approach to data analysis and focuses on teaching students how to frame the core problem, choose the right data, and uncover deep insights from data to build an understanding of people and expose opportunities for innovation. Students will use visualization and statistical techniques to explore data, generate insights, and share the human stories behind the data to move people to action.

0101	Manmohan Aseri MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 1308	

ENEE Electrical & Computer Engineering Fall 2025

ENEE101 **Introduction to Electrical & Computer Engineering**

(Perm req)

Credits: 3 Grading Method: Regular

Corequisite: MATH140. And corequisite: ENEE140 or CMSC131; or a score of 5 on the A Java AP exam; or a score of 4 or 5 on the AB Java AP exam; or satisfactory performance on the department's placement exam. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer) ; and students cannot enroll in ENEE101 and ENES100 in the same semester. Credit only granted for: ENEE101 or ENEE301.

An exploration of topics within Electrical & Computer Engineering (ECE). Students will be introduced to key elements of both the Electrical Engineering and Computer Engineering curriculum, including: circuits, computing systems and software, communications and controls, electrodynamics and waves, microelectronics, signal processing, and power systems.

0101	Emma Griffith, Andre Tits F 12:00pm - 12:50pm MW 8:00am - 9:50am	Seats (Total: 12) EGR 1202 AVW 1344	 Lab
0102	Andre Tits, Emma Griffith F 12:00pm - 12:50pm MW 10:00am - 11:50am	Seats (Total: 12) EGR 1202 AVW 1344	 Lab
0103	Andre Tits, Emma Griffith F 12:00pm - 12:50pm MW 12:00pm - 1:50pm	Seats (Total: 12) EGR 1202 AVW 1344	 Lab

0104	Emma Griffith, Andre Tits F 12:00pm - 12:50pm MW 2:00pm - 3:50pm	Seats (Total: 12) EGR 1202 AVW 1344	 Lab
0105	Emma Griffith, Andre Tits F 12:00pm - 12:50pm MW 4:00pm - 5:50pm	Seats (Total: 12) EGR 1202 AVW 1344	 Lab
0106	Emma Griffith, Andre Tits F 12:00pm - 12:50pm TuTh 8:00am - 9:50am	Seats (Total: 12) EGR 1202 AVW 1344	 Lab
0107	Emma Griffith, Andre Tits F 12:00pm - 12:50pm TuTh 10:00am - 11:50am	Seats (Total: 12) EGR 1202 AVW 1344	 Lab
0108	Andre Tits, Emma Griffith F 12:00pm - 12:50pm TuTh 12:00pm - 1:50pm	Seats (Total: 12) EGR 1202 AVW 1344	 Lab
0109	Emma Griffith, Andre Tits F 12:00pm - 12:50pm TuTh 2:00pm - 3:50pm	Seats (Total: 12) EGR 1202 AVW 1344	 Lab
0110	Andre Tits, Emma Griffith F 12:00pm - 12:50pm TuTh 4:00pm - 5:50pm	Seats (Total: 12) EGR 1202 AVW 1344	 Lab
0111	Emma Griffith, Andre Tits F 12:00pm - 12:50pm TuTh 4:00pm - 5:50pm	Seats (Total: 12) EGR 1202 AVW 1334	 Lab
0112	Emma Griffith, Andre Tits F 12:00pm - 12:50pm TuTh 12:00pm - 1:50pm	Seats (Total: 12) EGR 1202 AVW 1334	 Lab
0113	Andre Tits, Emma Griffith F 12:00pm - 12:50pm MW 2:00pm - 3:50pm	Seats (Total: 12) EGR 1202 AVW 1334	 Lab

0114	Emma Griffith, Andre Tits F 12:00pm - 12:50pm TuTh 10:00am - 11:50am	Seats (Total: 12) EGR 1202 AVW 1334	 Lab

ENEE140 **Introduction to Programming Concepts for Engineers**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: Permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in Engineering: Electrical program; or must be in Engineering: Materials Science program.

Introduction to the programming environment: editing, compiling, UNIX, data types and variable scope; program selection, formatted/unformatted input/output, repetition, functions, arrays and strings.

0101	Tudor Dumitras Tu 2:00pm - 3:15pm WF 3:00pm - 3:50pm	Seats (Total: 15) KEB 1110 AVW 2446	 Discussion
0102	Tudor Dumitras Tu 2:00pm - 3:15pm WF 2:00pm - 2:50pm	Seats (Total: 15) KEB 1110 AVW 2446	 Discussion
0103	Tudor Dumitras Tu 2:00pm - 3:15pm WF 1:00pm - 1:50pm	Seats (Total: 15) KEB 1110 AVW 2446	 Discussion
0104	Tudor Dumitras Tu 2:00pm - 3:15pm WF 11:00am - 11:50am	Seats (Total: 15) KEB 1110 AVW 2446	 Discussion
0105	Tudor Dumitras Tu 2:00pm - 3:15pm WF 10:00am - 10:50am	Seats (Total: 15) KEB 1110 AVW 2446	 Discussion
0106	Tudor Dumitras Tu 2:00pm - 3:15pm WF 9:00am - 9:50am	Seats (Total: 15) KEB 1110 AVW 2446	 Discussion
0107	Tudor Dumitras Tu 2:00pm - 3:15pm WF 10:00am - 10:50am	Seats (Total: 15) KEB 1110 EGR 0312	 Discussion

0108	Tudor Dumitras Tu 2:00pm - 3:15pm WF 1:00pm - 1:50pm	Seats (Total: 15) KEB 1110 KEB 2107	Discussion

ENEE150 **Intermediate Programming Concepts for Engineers**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Permission of ENGR-Electrical & Computer Engineering department. And ENEE140 or CMSC131; or score of 5 on the A Java AP exam; or score of 4 or 5 on the AB Java AP exam; or satisfactory performance on the department's placement exam. Corequisite: MATH140. Restriction: Must be in Engineering: Electrical program.

Advanced programming concepts: coding conventions and style; pointers; dynamic memory allocation and data structures; linked lists; graphs; abstract data types; object-oriented design. There will be team-based software projects and group presentations.

0101	Donald Yeung TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 14) CHE 2110 AVW 1454	Discussion
0102	Donald Yeung TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 14) CHE 2110 AVW 1454	Discussion
0103	Donald Yeung TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 14) CHE 2110 AVW 1454	Discussion
0104	Donald Yeung TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 14) CHE 2110 AVW 1454	Discussion
0105	Donald Yeung TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 14) CHE 2110 AVW 1442	Discussion
0106	Donald Yeung TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 14) CHE 2110 AVW 1454	Discussion

ENEE200 **Technology and Consequences: Engineering, Ethics, and Humanity**

Credits: 3 Grading Method: Regular CORE: IE General Education: DSHU, SCIS

Credit only granted for: ENEE200 or ENES200.

What makes a technology socially responsible? At UMD, the Fearless Ideas campaign asks us to aim our enthusiasm for technology at big real problems. At the same time, we are coming to appreciate the increasingly complex nature of technological systems as they become integrated into all forms of infrastructure, we realize they may be unpredictable, interdependent on social and biological systems, and have unintended consequences. In this midst of this complexity, people make decisions with far reaching impacts. How then do we follow our passion for technology and innovation but also stay skeptical in a way that allows us to consider the potential and shortcomings of technology? Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology.

Electrical Engineering (09090) and Computer Engineering(09991) majors have priority. Non-majors should choose the holdfile option. Department will release available seats to students in the holdfile after the last day of Early Registration for Freshmen.

0101	Wesley Lawson TuTh 9:30am - 10:45am F 9:00am - 10:15am	Seats (Total: 17) KEB 1110 CHE 2145	Discussion
0102	Wesley Lawson TuTh 9:30am - 10:45am F 10:30am - 11:45am	Seats (Total: 17) KEB 1110 CHE 2116	Discussion
0103	Wesley Lawson TuTh 9:30am - 10:45am F 12:00pm - 1:15pm	Seats (Total: 17) KEB 1110 CHE 2145	Discussion
0104	Wesley Lawson TuTh 9:30am - 10:45am F 1:30pm - 2:45pm	Seats (Total: 17) KEB 1110 CHE 2145	Discussion
0105	Wesley Lawson TuTh 9:30am - 10:45am F 3:00pm - 4:15pm	Seats (Total: 17) KEB 1110 CHE 2145	Discussion
0201	Nicole Mogul TuTh 3:30pm - 4:45pm F 9:00am - 10:15am	Seats (Total: 15) ESJ 2208 EGR 3111	Discussion
0202	Nicole Mogul TuTh 3:30pm - 4:45pm F 10:30am - 11:45am	Seats (Total: 15) ESJ 2208 EGR 3111	Discussion

0203	Nicole Mogul	Seats (Total: 15)	
	TuTh 3:30pm - 4:45pm F 12:00pm - 1:15pm	ESJ 2208 EGR 3111	Discussion
0204	Nicole Mogul	Seats (Total: 15)	
	TuTh 3:30pm - 4:45pm F 1:30pm - 2:45pm	ESJ 2208 EGR 3111	Discussion
0205	Nicole Mogul	Seats (Total: 15)	
	TuTh 3:30pm - 4:45pm F 3:00pm - 4:15pm	ESJ 2208 AJC 2119	Discussion

ENEE205 **Electric Circuits**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in PHYS260; and minimum grade of C- in PHYS261; and permission of ENGR-Electrical & Computer Engineering department. Corequisite: MATH246 or ENEE290. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).

Design, analysis, simulation, construction and evaluation of electric circuits. Terminal Relationships. Kirchoff's laws. DC and AC steady state analysis. Node and mesh methods. Thevenin and Norton equivalent circuits. Transient behavior of first- and second-order circuits. Frequency response and transfer functions. Ideal op-amp circuits. Diode and transistor circuits.

0101	Danilo Romero	Seats (Total: 12)	
	MW 2:00pm - 3:15pm F 11:00am - 12:50pm F 1:00pm - 1:50pm	CHE 2110 AVW 1356 AVW 1356	Lab Discussion
0102	Danilo Romero	Seats (Total: 12)	
	MW 2:00pm - 3:15pm Tu 8:00am - 9:50am Tu 10:00am - 10:50am	CHE 2110 AVW 1356 AVW 1356	Lab Discussion
0103	Danilo Romero	Seats (Total: 12)	
	MW 2:00pm - 3:15pm W 11:00am - 12:50pm W 1:00pm - 1:50pm	CHE 2110 AVW 1356 AVW 1356	Lab Discussion
0104	Danilo Romero	Seats (Total: 12)	
	MW 2:00pm - 3:15pm W 8:00am - 9:50am W 10:00am - 10:50am	CHE 2110 AVW 1356 AVW 1356	Lab Discussion

0105	Danilo Romero	Seats (Total: 12)	
	MW 2:00pm - 3:15pm	CHE 2110	
	Th 11:00am - 12:50pm	AVW 1356	Lab
	Th 1:00pm - 1:50pm	AVW 1356	Discussion
0106	Danilo Romero	Seats (Total: 12)	
	MW 2:00pm - 3:15pm	CHE 2110	
	Th 8:00am - 9:50am	AVW 1356	Lab
	Th 10:00am - 10:50am	AVW 1356	Discussion
0201	Romel Gomez	Seats (Total: 12)	
	TuTh 9:30am - 10:45am	ATL 2400	
	M 11:00am - 12:50pm	AVW 1356	Lab
	M 1:00pm - 1:50pm	AVW 1356	Discussion
0202	Romel Gomez	Seats (Total: 12)	
	TuTh 9:30am - 10:45am	ATL 2400	
	M 2:00pm - 3:50pm	AVW 1356	Lab
	M 4:00pm - 4:50pm	AVW 1356	Discussion
0203	Romel Gomez	Seats (Total: 12)	
	TuTh 9:30am - 10:45am	ATL 2400	
	F 8:00am - 9:50am	AVW 1356	Lab
	F 10:00am - 10:50am	AVW 1356	Discussion
0204	Romel Gomez	Seats (Total: 12)	
	TuTh 9:30am - 10:45am	ATL 2400	
	W 2:00pm - 3:50pm	AVW 1356	Lab
	W 4:00pm - 4:50pm	AVW 1356	Discussion
0205	Romel Gomez	Seats (Total: 12)	
	TuTh 9:30am - 10:45am	ATL 2400	
	Th 2:00pm - 3:50pm	AVW 1356	Lab
	Th 4:00pm - 4:50pm	AVW 1356	Discussion
0206	Romel Gomez	Seats (Total: 12)	
	TuTh 9:30am - 10:45am	ATL 2400	
	Tu 2:00pm - 3:50pm	AVW 1356	Lab
	Tu 4:00pm - 4:50pm	AVW 1356	Discussion

ENEE222 **Elements of Discrete Signal Analysis**

(Perm req) Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE140; or minimum grade of C- in CMSC131; and permission of ENGR- Electrical & Computer Engineering department. Corequisite: ENEE290; or coursework approved by the department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer).

Discrete- and continuous-time signals, sampling of sinusoids. Discrete Fourier transform: properties and applications. Periodic signals and Fourier series. Discrete-time linear filters in time and frequency domains. Numerical applications and implementation of algorithms (using MATLAB).

0101	Alejandra Mercado	Seats (Total: 25)	
	MW 12:30pm - 1:45pm	CCC 1100	
	Th 9:00am - 9:50am	KEB 2107	Lab
	Tu 9:00am - 9:50am	KEB 2107	Discussion
0102	Alejandra Mercado	Seats (Total: 25)	
	MW 12:30pm - 1:45pm	CCC 1100	
	Th 10:00am - 10:50am	KEB 2107	Lab
	Tu 10:00am - 10:50am	KEB 2107	Discussion
0103	Alejandra Mercado	Seats (Total: 25)	
	MW 12:30pm - 1:45pm	CCC 1100	
	Th 11:00am - 11:50am	KEB 2107	Lab
	Tu 11:00am - 11:50am	KEB 2107	Discussion
0201	Adrianos Papamarcou	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	CHE 2108	
	W 9:00am - 9:50am	KEB 2107	Lab
	F 9:00am - 9:50am	KEB 2107	Discussion
0202	Adrianos Papamarcou	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	CHE 2108	
	W 10:00am - 10:50am	KEB 2107	Lab
	F 10:00am - 10:50am	KEB 2107	Discussion
0203	Adrianos Papamarcou	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	CHE 2108	
	M 11:00am - 11:50am	KEB 2107	Lab
	W 11:00am - 11:50am	KEB 2107	Discussion

ENEE244 **Digital Logic Design**

(Perm req) Credits: 3 Grading Method: Regular

Prerequisite: Must have completed or be concurrently enrolled in CMSC132 or ENEE150; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Sophomore standing or higher; and must be in one of the following programs (Engineering: Computer; Engineering: Electrical).

The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion.

0101	Rajeev Barua MW 3:30pm - 4:45pm Th 9:00am - 9:50am	Seats (Total: 16) EGR 1202 CHE 2116	Discussion
0102	Rajeev Barua MW 3:30pm - 4:45pm Th 10:00am - 10:50am	Seats (Total: 16) EGR 1202 EGR 3114	Discussion
0103	Rajeev Barua MW 3:30pm - 4:45pm Th 11:00am - 11:50am	Seats (Total: 16) EGR 1202 CHE 2116	Discussion
0104	Rajeev Barua MW 3:30pm - 4:45pm Th 12:00pm - 12:50pm	Seats (Total: 16) EGR 1202 PHY 4222	Discussion
0105	Rajeev Barua MW 3:30pm - 4:45pm Th 1:00pm - 1:50pm	Seats (Total: 16) EGR 1202 CHE 2116	Discussion
0106	Rajeev Barua MW 3:30pm - 4:45pm Th 2:00pm - 2:50pm	Seats (Total: 16) EGR 1202 CHE 2145	Discussion
0201	Cunxi Yu TuTh 2:00pm - 3:15pm W 9:00am - 9:50am	Seats (Total: 16) JMP 3201 CHE 2140	Discussion
0202	Cunxi Yu TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 16) JMP 3201 EGR 1110	Discussion

0203	Cunxi Yu TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 16) JMP 3201 CHE 2116	Discussion
0204	Cunxi Yu TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 16) JMP 3201 CHE 2116	Discussion
0205	Cunxi Yu TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 16) JMP 3201 EGR 1104	Discussion
0206	Cunxi Yu TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 16) JMP 3201 CHE 2116	Discussion

ENEE245 **Digital Circuits and Systems Laboratory**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE244. And minimum grade of C- in ENEE150; or minimum grade of C- in CMSC132. And permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer).

Introduction to basic measurement techniques and electrical laboratory equipment (power supplies, oscilloscopes, voltmeters, etc.). Design, construction, and characterization of digital circuits containing logic gates, sequential elements, oscillators, and digital integrated circuits. Introduction to digital design and simulation with the Verilog Hardware Description Language (HDL).

0101	Manoj Franklin M 10:00am - 10:50am M 2:00pm - 4:50pm	Seats (Total: 12) EGR 1202 AVW 1324	Lab
0102	Manoj Franklin M 10:00am - 10:50am Tu 8:00am - 10:50am	Seats (Total: 12) EGR 1202 AVW 1324	Lab
0103	Manoj Franklin M 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 12) EGR 1202 AVW 1324	Lab
0104	Manoj Franklin M 10:00am - 10:50am Th 11:00am - 1:50pm	Seats (Total: 12) EGR 1202 AVW 1324	Lab

0105	Manoj Franklin M 10:00am - 10:50am F 12:00pm - 2:50pm	Seats (Total: 12) EGR 1202 AVW 1324	 Lab
0106	Manoj Franklin M 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 12) EGR 1202 AVW 1324	 Lab
0107	Manoj Franklin M 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 12) EGR 1202 AVW 1324	 Lab
0108	Manoj Franklin M 10:00am - 10:50am W 8:00am - 10:50am	Seats (Total: 12) EGR 1202 AVW 1324	 Lab
0109	Manoj Franklin M 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 12) EGR 1202 AVW 1324	 Lab

ENEE290 **Introduction to Differential Equations and Linear Algebra for Engineers**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in MATH141; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE290, MATH240, MATH246, or MATH461.

First-order differential equations, matrices and systems of linear equations, finite-dimensional vector spaces, inner product spaces, eigenvalues and eigenvectors, linear differential equations of higher order, and systems of differential equations. This course covers important topics in mathematics for Electrical and Computer Engineers. Specifically, several topics are covered, including first-order differential equations, matrices and systems of linear equations, finite-dimensional vector spaces, inner product spaces, eigenvalues and eigenvectors, linear differential equations of higher order, and systems of differential equations. Theoretical topics presented in the lectures will be reinforced by laboratory exercises.

0101	Calin Belta MW 11:00am - 12:15pm TuTh 12:30pm - 1:20pm	Seats (Total: 27) CCC 1100 JMP 1202	 Discussion
0102	Calin Belta MW 11:00am - 12:15pm TuTh 4:00pm - 4:50pm	Seats (Total: 27) CCC 1100 MTH 0103	 Discussion

0103	Calin Belta MW 11:00am - 12:15pm TuTh 12:30pm - 1:20pm	Seats (Total: 27) CCC 1100 MTH 0402	Discussion
0201	Julius Goldhar TuTh 3:30pm - 4:45pm MW 4:00pm - 4:50pm	Seats (Total: 27) KEB 1110 MTH 0104	Discussion
0202	Julius Goldhar TuTh 3:30pm - 4:45pm MW 9:00am - 9:50am	Seats (Total: 27) KEB 1110 CSI 3118	Discussion
0203	Julius Goldhar TuTh 3:30pm - 4:45pm MW 10:00am - 10:50am	Seats (Total: 27) KEB 1110 CSI 3118	Discussion

ENEE301 **Current Trends in Electrical and Computer Engineering**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH140; and must have completed or be concurrently enrolled in ENEE140 or CMSC131; or a score of 5 on the A Java AP exam; or a score of 4 or 5 on the AB Java AP exam; or satisfactory performance on the department's placement exam. Restriction: Junior standing or higher; and must be in Electrical Engineering or Computer Engineering; or permission of instructor. Credit only granted for: ENEE101 or ENEE301.

A survey course on the current trends in Electrical and Computer Engineering (ECE). Students will be introduced to foundational knowledge of key technologies, providing them with technical information and a broad principled understanding of the relevance of these technologies to society. Students will acquire these knowledge bases through high-level lectures and hands-on experiential learning involving key technologies, including: energy generation and utilization, communication, advanced computing, information processing and machine intelligence, and autonomy.

0101	Danilo Romero F 11:00am - 11:50am MW 1:00pm - 2:50pm	Seats (Total: 12) CSI 1121 KEB 3209	Lab
0102	Danilo Romero F 11:00am - 11:50am MW 3:00pm - 4:50pm	Seats (Total: 12) CSI 1121 KEB 3209	Lab
0103	Danilo Romero F 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 12) CSI 1121 KEB 3209	Lab

0104	Danilo Romero F 11:00am - 11:50am TuTh 11:00am - 12:50pm	Seats (Total: 12) CSI 1121 KEB 3209	 Lab

ENEE304 **Introduction to Micro and Nanoelectronics**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE205; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE304 or ENEE303; ENEE304 or ENEE313.

Introduction to semiconductor device physics: drift-diffusion model, pn junction properties, BJTs and FETs. Electronic circuits: diode circuits, BJT and MOSFET amplifiers, logic gates and multi-transistor circuits (such as differential amplifiers and current mirrors).

0101	Neil Goldsman MW 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 25) JMP 3201 ATL 1434	 Discussion
0102	Neil Goldsman MW 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 25) JMP 3201 CSI 2118	 Discussion
0201	Kevin Daniels TuTh 2:00pm - 3:15pm W 9:00am - 9:50am	Seats (Total: 25) CHE 2108 ATL 1434	 Discussion
0202	Kevin Daniels TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 25) CHE 2108 ATL 2416	 Discussion
0301	Agisilaos Iliadis TuTh 11:00am - 12:15pm W 9:00am - 9:50am	Seats (Total: 25) EGR 1108 EGR 2116	 Discussion
0302	Agisilaos Iliadis TuTh 11:00am - 12:15pm W 10:00am - 10:50am	Seats (Total: 25) EGR 1108 ATL 1434	 Discussion

ENEE305 **Introduction to Micro and Nanoelectronics Lab**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENEE304; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in the following program (Engineering: Electrical). Credit only granted for: ENEE305 or ENEE307.

Introductory laboratory in semiconductors and electronics. Characterization of diodes followed by design and testing of analog and digital circuits at the transistor (FET and BJT) level.

0101	Timothy Horiuchi W 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 12) EGR 0108 AVW 1330	 Lab
0102	Timothy Horiuchi W 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 12) EGR 0108 AVW 1330	 Lab
0103	Timothy Horiuchi W 10:00am - 10:50am Th 8:00am - 10:50am	Seats (Total: 12) EGR 0108 AVW 1330	 Lab
0104	Timothy Horiuchi W 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 12) EGR 0108 AVW 1330	 Lab
0105	Timothy Horiuchi W 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 12) EGR 0108 AVW 1330	 Lab

ENEE322 **Signal and System Theory**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in MATH246 or ENEE290; and minimum grade of C- in ENEE222. Restriction: Permission of ENGR-Electrical & Computer Engineering department. Must be in the following program (Engineering: Computer). Credit only granted for: ENEE322 or ENEE323.

This is a course on signals and systems. The course lectures cover concepts in linear systems, and time and frequency domain analysis of signals and linear systems. Signal analysis topics: discrete- and continuous-time Fourier transforms, Laplace and z-transforms. Dynamical system properties: linearity, time-invariance, stability and invertibility. Analysis of linear time-invariant systems in the time domain (impulse response and convolution) and transform domain (transfer function and frequency response). Applications in signal processing, communications and control.

0101	Adrianos Papamarcou TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 12) KEB 1200 CSI 2120	 Discussion

0102	Adrianos Papamarcou TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 11) KEB 1200 CSI 2120	 Discussion
0201	Richard La MW 3:30pm - 4:45pm Th 11:00am - 11:50am	Seats (Total: 12) EGR 1108 PHY 2211	 Discussion
0202	Richard La MW 3:30pm - 4:45pm Th 12:00pm - 12:50pm	Seats (Total: 12) EGR 1108 HBK 0302H	 Discussion

ENEE323 **Signals and Systems: Theory and Applications**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH246 or ENEE290; and minimum grade of C- in ENEE222; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in the following program (Engineering: Electrical). Credit only granted for: ENEE322 or ENEE323.

This is a course and laboratory on signals and systems. The course lectures cover concepts in linear systems, and time and frequency domain analysis of signals and linear systems. Signal analysis topics: discrete- and continuous-time Fourier transforms, Laplace and z-transforms. Dynamical system properties: linearity, time-invariance, stability and invertibility. Analysis of linear time-invariant systems in the time domain (impulse response and convolution) and transform domain (transfer function and frequency response). Applications in signal processing, communications and control.

0101	Adrianos Papamarcou TuTh 9:30am - 10:45am W 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 8) KEB 1200 AVW 1442 CSI 2120	 Lab Discussion
0102	Adrianos Papamarcou TuTh 9:30am - 10:45am W 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 8) KEB 1200 AVW 1442 CSI 2120	 Lab Discussion
0201	Richard La MW 3:30pm - 4:45pm Tu 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 8) EGR 1108 AVW 1442 PHY 2211	 Lab Discussion

0202	Richard La	Seats (Total: 8)	
	MW 3:30pm - 4:45pm Tu 12:00pm - 12:50pm Th 12:00pm - 12:50pm	EGR 1108 AVW 1442 HBK 0302H	 Lab Discussion

ENEE324 **Engineering Probability**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in MATH246 and ENEE222; and permission of ENGR-Electrical & Computer Engineering department. Credit only granted for: DATA400, STAT400 or ENEE324. Additional information: Electrical Engineering majors may NOT substitute STAT400 for ENEE324.

Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications.

0101	Alexander Barg	Seats (Total: 20)	
	MW 2:00pm - 3:15pm F 11:00am - 11:50am	AJC 2132 MTH 0303	 Discussion
0102	Alexander Barg	Seats (Total: 20)	
	MW 2:00pm - 3:15pm F 10:00am - 10:50am	AJC 2132 MTH B0423	 Discussion
0201	Mark Shayman	Seats (Total: 20)	
	TuTh 3:30pm - 4:45pm F 9:00am - 9:50am	KEB 1200 EGR 2116	 Discussion
	Click here for more section information.		

ENEE350 **Computer Organization**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE244; and 1 course with a minimum grade of C- from (ENEE150, CMSC132); and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).

Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages.

0101	Yavuz Oruc TuTh 3:30pm - 4:45pm Tu 10:00am - 10:50am	Seats (Total: 25) ESJ 1224 BPS 1232	 Discussion
0102	Yavuz Oruc TuTh 3:30pm - 4:45pm Tu 9:00am - 9:50am	Seats (Total: 25) ESJ 1224 BPS 1232	 Discussion
0201	Yavuz Oruc TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 25) JMP 2121 AJC 2121	 Discussion
0202	Yavuz Oruc TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 25) JMP 2121 EGR 2154	 Discussion
0301	Rajeev Barua MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 25) EGR 0108 CSI 2118	 Discussion
0302	Rajeev Barua MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 25) EGR 0108 CSI 2118	 Discussion

ENEE382 **Electromagnetics**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum of C- or better in ENEE205, MATH241, PHYS270, and PHYS271; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in the Electrical Engineering program. Credit only granted for: ENEE380 or ENEE382; ENEE381 or ENEE382.

Theory and tools needed to solve electromagnetic problems and understand how electromagnetic waves propagate and interact with materials. Fields and potentials. Maxwell's equations and wave propagation. Reflection and transmission. Transmission lines. Antennas and radiation.

0101	Thomas Murphy TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 15) EGR 3106 CHE 2116	 Discussion
0102	Thomas Murphy TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 15) EGR 3106 CHE 2116	 Discussion

0201	Wesley Lawson MW 2:00pm - 3:15pm TuTh 12:30pm - 1:20pm	Seats (Total: 15) EGR 3106 EGR 2116	 Discussion
0202	Wesley Lawson MW 2:00pm - 3:15pm TuTh 8:00am - 8:50am	Seats (Total: 15) EGR 3106 CHE 2116	 Discussion

ENEE382H **Electromagnetics**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum of C- or better in ENEE205, MATH241, PHYS270, and PHYS271; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in the Electrical Engineering program. Credit only granted for: ENEE380 or ENEE382; ENEE381 or ENEE382.

Theory and tools needed to solve electromagnetic problems and understand how electromagnetic waves propagate and interact with materials. Fields and potentials. Maxwell's equations and wave propagation. Reflection and transmission. Transmission lines. Antennas and radiation.

0101	Wesley Lawson MW 2:00pm - 3:15pm TuTh 12:30pm - 1:20pm	Seats (Total: 10) EGR 3106 EGR 2116	 Discussion

ENEE408A **Capstone Design Project:Microprocessor-Based Design**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS

Prerequisite: Minimum grade of C- in ENEE350. This course provides a team-based experience in the design and implementation of a microprocessor-based system to solve a real-world problem. A product specification or client requirement forms the basis for the student teams development of an initial technical design specification. The team then divides into smaller groups for the parallel development of hardware and software subsystems of the product device. Upon completion and test of the various subsystems, software and hardware components are integrated into the system prototype and the system is tested and documented.

0101	William Hawkins Th 9:30am - 10:20am Contact instructor or department for details.	Seats (Total: 12) EGR 1110	

ENEE408C **Capstone Design Project: Modern Digital System Design**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS

Prerequisite: Minimim grade of C- in ENEE350. A real-world digital system design experience that prepares students for careers in FPGA and ASIC design. Student teams use the Verilog hardware description language together with industry-standard simulation and synthesis tools to design medium-complexity digital chips that are ultimately configured and tested on FPGAs with real-world applications. Results from these projects will be presented through in-class presentations and written reports.

0101	Shuvra Bhattacharyya	Seats (Total: 16)	
	Tu 3:30pm - 4:45pm	KEB 2107	
	Th 2:00pm - 4:50pm	KEB 2107	Lab

ENEE408I **Capstone Design Project: Autonomous Control of Interacting Robots**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS

Prerequisite: Minimum grade of C- in ENEE322. Co-requisite: ENEE460 is recommended. The course involves students in the design,development, and application of autonomous robotic systems.The robots are 4 wheeled vehicles with on-board sensors (cameras, acoustic sensors),computers and wireless communications capabilities. The students work in teams to program the the robots to accomplish a task individually and in teams of 2 or more robots. Applications vary from semester to semester, including racing with passing, soccer, search and identify.

0101	Shihab Shamma	Seats (Total: 15)	
	M 10:00am - 10:50am	EGR 3114	
	Th 2:00pm - 4:50pm	KEB 3209	Lab

ENEE408V **Capstone Design Project; Smart Submersible Marine Vehicles**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Culmination of prior course work in electrical and computer engineering. Utilization of modern design tools and methodologies for the design of components or systems under realistic constraints, with particular emphasis on teamwork and oral/written communication. Areas in which projects are currently offered include: microprocessor-based systems, digital systems, VLSI design (both digital and mixed-signal), and optical systems.

Prerequisite: Minimum grade of C- in two of the folowwing courses: ENEE303, ENEE304, ENEE305, ENEE307, ENEE313, ENEE322, ENEE323, ENEE324, ENEE350, ENEE380, ENEE381, ENEE382, or ENEE473; and must have senior standing. Students will design and build small marine crafts (baby submarines) capable of communication, autonomous navigation, computer vision and swarm formations. Students will learn the fundamentals of underwater depth control, propulsion and dynamics, localization and navigation, wireless above and underwater communication and others. Students will utilize skills in microprocessors hardware/software codesign, electromagnetics, acoustics, optics, power, BLM techniques, image/video processing and controls, including elements of mechanical design. Teams will work together to specialize in various subsystems; and following standards for compatibility and systems integration. As an authentic design process mimicking product development, strict deadlines and milestones will be imposed and students may be expected to do work outside the regular meeting times.

0101	Romel Gomez TuTh 2:00pm - 2:50pm Th 3:00pm - 6:00pm	Seats (Total: 16) AVW 1450 AVW 1450	 Lab

ENEE411 **Advanced Analog and Digital Electronics**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE303 or ENEE304. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer) ; and must have permission of the department.

Examination of analog and digital device models for analysis, design, and simulation of transistor level electronic circuits, emphasizing Metal Oxide Silicon Field Effect Transistors (MOSFETs); fundamental single transistor configurations; frequency response, feedback, and stability of multi-transistor circuits, such as current mirrors, differential amplifiers, voltage references, operational amplifiers and data converters; complementary Metal Oxide Silicon (CMOS) implementations of static and clocked digital as well as mixed signal circuits.

0101	Jesse Moody MW 11:00am - 12:15pm	Seats (Total: 30) AJC 2132	

ENEE416 **Integrated Circuit Fabrication Laboratory**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE303 or ENEE304; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical), and permission of ENGR-Electrical & Computer Engineering department.

Characterization of wafers and fabrication steps. Oxide growth, lithography, dopant diffusion, and metal deposition and patterning will be discussed in the lectures and carried out in the lab in fabricating NMOS transistor circuits. The transistor characteristics will be measured and related to the fabrication parameters.

0101	Reza Ghodssi Th 11:00am - 12:15pm Tu 9:00am - 12:00pm	Seats (Total: 5) EGR 2116 KEB 2300	 Lab
0102	Reza Ghodssi Th 11:00am - 12:15pm W 12:30pm - 3:30pm	Seats (Total: 5) EGR 2116 KEB 2300	 Lab
0103	Reza Ghodssi Th 11:00am - 12:15pm M 12:30pm - 3:30pm	Seats (Total: 5) EGR 2116 KEB 2300	 Lab

0104	Reza Ghodssi Th 11:00am - 12:15pm F 9:00am - 12:00pm	Seats (Total: 5) EGR 2116 KEB 2300	 Lab
0105	Reza Ghodssi Th 11:00am - 12:15pm W 9:00am - 12:00pm	Seats (Total: 3) EGR 2116 KEB 2300	 Lab

ENEE419D **Topics in Microelectronics; Embedded Machine Learning**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Selected topics of current importance in microelectronics.

Prerequisites: Minimum grade of C- in ENEE303 or ENEE304. An introduction to the design and deployment of machine learning models optimized for edge devices and energy-efficient hardware accelerators. The course covers advanced model reduction techniques, such as quantization and pruning, to streamline complex models for deployment onresource-constrained platforms. Students will gain hands-on experience with Cadence Virtuoso to build circuits and systems that leverage in-memory computing architectures, facilitating efficient computation and reduced energy consumption.

0101	Sahil Shah MW 3:30pm - 4:45pm	Seats (Total: 15) EGR 0135

ENEE420 **Communication Systems**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE322 or ENEE323; and minimum grade of C- in ENEE324; and completion of all lower-division technical courses in the Electrical Engineering curriculum. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical), and permission of ENGR-Electrical & Computer Engineering department.

Fourier series, Fourier transforms and linear system analysis; random signals, autocorrelation functions and power spectral densities; analog communication systems: amplitude modulation, single-sideband modulation, frequency and phase modulation, sampling theorem and pulse-amplitude modulation; digital communication systems pulse-code modulation, phase-shift keying, differential phase shift keying, frequency shift keying; performance of analog and digital communication systems in the presence of noise.

0101	Mark Shayman TuTh 12:30pm - 1:45pm	Seats (Total: 18) CHE 2140

ENEE425 **Digital Signal Processing**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE322 or ENEE323. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical), and permission of ENGR-Electrical & Computer Engineering department.

Sampling as a modulation process; aliasing; the sampling theorem; the Z-transform and discrete-time system analysis; direct and computer-aided design of recursive and nonrecursive digital filters; the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT); digital filtering using the FFT; analog-to-digital and digital-to analog conversion; effects of quantization and finite-word-length arithmetic.

0101	Carol Espy-Wilson	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	EGR 1102

ENEE429Z **Topics in Communications; Introduction to Wireless Networking**

Credits: 3 Grading Method: Regular, Pass-Fail

Selected topics of current importance in communications.

Prerequisites: Minimum of C- or better ENEE324 or STAT400; and completion of all lower-division technical courses in the EE curriculum. An introduction to wireless networking technologies through an in-depth exploration of fundamental architectural and design principles. It covers key concepts, including ALOHA, CSMA, and 802.11, with a focus on their performance analysis using formal analytical methods and realistic simulations. The course leverages the industry and research-relevant NS-3 network simulator to develop and analyze real-world wireless network projects, providing hands-on practical experience.

0101	Zhambyl Shaikhanov	Seats (Total: 25)
	MW 2:00pm - 3:15pm	JMP 1109

ENEE436 **Foundations of Machine Learning**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: 1 course with a minimum grade of C- from (ENEE324, STAT400); and 1 course with a minimum grade of C- from (ENEE150, CMSC216); and permission of ENGR-Electrical & Computer Engineering department. Restriction: Permission of ENGR-Electrical & Computer Engineering department. And must be in one of the following programs (Engineering: Electrical; Engineering: Computer) ; or must be in the ECE Department's Machine Learning notation program. Credit only granted for: ENEE436, ENEE439M, or CMSC422. Formerly: ENEE439M.

A broad introduction to the foundations of Machine Learning (ML), as well as hands-on experience in applying ML algorithms to real-world data sets. Topics include various techniques in supervised and unsupervised learning, as well as applications to computer vision, data mining, and speech recognition.

0101	Richard La	Seats (Total: 30)
	MW 12:30pm - 1:45pm	KEB 1200

ENEE440 **Microprocessors**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENEE350; and completion of all lower division technical courses in the EE curriculum. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).

Microprocessor architectures, instruction sets, and applications. Bus structures, memory, I/O interfacing. Assembly language programming, LSI device configuration, and the embedding of microprocessors in systems.

0101	William Hawkins	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	EGR 3102	

ENEE445 **Computer Laboratory**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE205 and ENEE350. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical); and permission of ENGR-Electrical & Computer Engineering department.

This laboratory course focuses on the hardware/software interface in computer systems. Hands-on experiments are used to teach design, construction, analysis, and measurement of both hardware and software for embedded systems. Projects emphasize using microcontrollers for control, sensing, and communication through various I/O devices.

0101	William Hawkins	Seats (Total: 12)	
	Tu 12:30pm - 1:20pm	EGR 1110	
	Th 2:00pm - 5:00pm	AVW 1424	Lab

ENEE446 **Digital Computer Design**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENEE350; and completion of all lower-division technical courses in the EE curriculum. Restriction: Permission of ENGR-Electrical & Computer Engineering department. Credit only granted for: ENEE446 or CMSC411.

Hardware design of digital computers. Arithmetic and logic units, adders, multipliers and dividers. Floating-point arithmetic units. Bus and register structures. Control units, both hardwired and microprogrammed. Index registers, stacks, and other addressing schemes. Interrupts, DMA and interfacing.

0101	Manoj Franklin	Seats (Total: 60)	
	MW 5:00pm - 6:15pm	EGR 1108	

ENEE457 **Computer Systems Security**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE350; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer) ; and permission of ENGR-Electrical & Computer Engineering department. Credit only granted for: CMSC414 or ENEE457.

Theoretical and practical aspects of computer systems security. Topics covered include symmetric/asymmetric encryption, message authentication, digital signatures, access control, as well as network security, web security and cloud security. Students acquire tools necessary for designing secure computer systems and programs and for defending against malicious threats (e.g., viruses, worms, denial of service).

0101	Ang Li	Seats (Total: 60)	
	MW 11:00am - 12:15pm	IRB 0318	

ENEE459A **Topics in Computer Engineering; CAD Tools**

(Perm req)

Credits: 1 Grading Method: Regular

Selected topics of current importance in computer engineering.

Minimum grade of C- in ENEE245. Verilog or VDHL hardware description languages (HDLs) and graphical printed ciruit design CAD packages are used to create a digital system implemented on a printed circuit-board. A practical design for hardware incorporating a processor and interface devices is to be created by the student. Simulation is used to explore practical issues of system performance and device resource constraints, and a printed-circuit board proof-of-concept will be produced by the student.

0101	William Hawkins	Seats (Total: 15)	
	Tu 9:30am - 10:20am	EGR 1110	
	Contact instructor or department for details.		

ENEE459B **Topics in Computer Engineering; Computer Security and Reverse Engineering Laboratory**

(Perm req)

Credits: 3 Grading Method: Regular

Selected topics of current importance in computer engineering.

Prerequisites: ENEE244, ENEE245, and ENEE350 or permission of the instructor. This course focuses on software reverse engineering and low-level system analysis. Students will learn to analyze program execution, memory, and cryptography, using x86 assembly and reverse-engineering tools. The course also covers hardware attacks, fuzzing, symbolic execution, and defensive techniques, taught through lectures and hands-on labs. The goal is to build practical security analysis skills.

0101	Yonghwi Kwon	Seats (Total: 23)	
	Tu 2:00pm - 3:15pm	EGR 0108	
	Tu 3:30pm - 5:30pm	AVW 2446	Lab

0102	Yonghwi Kwon Tu 2:00pm - 3:15pm Th 3:30pm - 5:30pm	Seats (Total: 22) EGR 0108 AVW 2446	 Lab

ENEE460 **Control Systems**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: ENEE322; and (ENEE290, MATH240, or MATH461); and completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).

Mathematical models for control system components. Transform and time domain methods for linear control systems. Introductory stability theory. Root locus, bode diagrams and Nyquist plots. Design specifications in the time and frequency domains. Compensation design in the time and frequency domain. Introduction to sampled data systems.

0101	Kaiqing Zhang TuTh 11:00am - 12:15pm	Seats (Total: 30) EGR 0135	

ENEE467 **Robotics Project Laboratory**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENAE450. Restriction: Must be in the Robotics and Autonomous Systems minor; and permission of Department of Electrical and Computer Engineering.

Teaches practical skills to build, control, and deploy robotic systems. Interdisciplinary groups of students develop real-world robotic systems, with emphasis on making a real robot do what one wants it to do.

0101	Calin Belta MW 3:30pm - 4:20pm M 12:00pm - 2:50pm	Seats (Total: 21) EGR 0108 EAF 3119	 Lab
0102	Calin Belta MW 3:30pm - 4:20pm W 12:00pm - 2:50pm	Seats (Total: 15) EGR 0108 EAF 3119	 Lab
0103	Calin Belta MW 3:30pm - 4:20pm F 10:00am - 12:50pm	Seats (Total: 15) EGR 0108 EAF 3119	 Lab
0104	Calin Belta MW 3:30pm - 4:20pm F 1:00pm - 3:50pm	Seats (Total: 21) EGR 0108 EAF 3119	 Lab

ENEE474 **Power Systems**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE322 or ENEE323. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical), and permission of ENGR-Electrical & Computer Engineering department.

Interconnected power systems, transmission lines, load flow studies, unit commitment and economic dispatch. Three phase networks, machine models. Symmetrical components, fault analysis and unbalanced operation. Power system transients, stability and numerical methods in power system analysis.

0101	David Bowen MW 11:00am - 12:15pm	Seats (Total: 40) KEB 1200
ESM1	David Bowen MW 11:00am - 12:15pm	Seats (Total: 15) Location: TBA

ENEE476 **Renewable Energy**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE303 or ENEE304. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical), and permission of ENGR-Electrical & Computer Engineering department.

Solar Energy Conversion Systems: History of Photovoltaic (PV) Systems, PV Cell, Module and Array Models and Equivalent Circuits, Characteristic Resistance, Fill Factor, Effects of Parasitic Resistances, Mismatch Effects, Shading, Bypass Diodes, Sun Tracking Systems, Maximum Power Point Tracking (MPPT) Techniques, Isolated and Non-isolated Switch-mode DC/DC for PV Systems, Inverter Design and Control, Sizing the PV Panel and Battery Pack in PV Applications. Wind Energy Conversion Systems: Introduction to Wind Energy Harvesting, Horizontal and Vertical Wind Systems, Fundamentals of Wind Energy Harvesting Systems, Variable Speed and Fixed Speed Wind Energy Conversion Systems (WECS), Wind Turbines and Different Electrical Machines in Wind Applications, Induction Machine and Dynamic Model of Induction Machines, Synchronous Generators and Dynamic Model of SG, Control of Wind Energy Conversion Systems.

Alternating face-to-face/online meeting. See instructor for details.

0101	Xin Zan MW 3:30pm - 4:45pm	Seats (Total: 60) KEB 1110

ENEE484 **Optoelectronic Devices**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: A background in semiconductors and P-N junctions. Restriction: Permission of the Electrical and Computer Engineering Department. Credit only granted for: ENEE484 or ENEE489I. Formerly: ENEE489I.

Explores the fundamental physics of optoelectronic devices including lasers, solar cells, LEDs, and photodetectors. We aim at an understanding of the fundamental principles on device physics, material considerations, and significant components of optoelectronic devices. State-of-the-art device configurations and material choices in industry and academia will be discussed.

0101	Cheng Gong	Seats (Total: 30)	
	MW 2:00pm - 3:15pm	KEB 1200	

ENEE486 **Optoelectronics Lab**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENEE205; or minimum grade of C- in ENEE206. And minimum grade of C- in PHYS271 and PHYS270; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).

Hands-on experience in performing measurements in optics and electro-optics. Basics of optics, light detectors, Fourier optics, gratings and spectrometers, pulsed dye lasers, fiber optics, electro-optics, and acousto-optics.

Credit only granted for ENEE486, ENEE648D or ENEE789D.

0101	Mario Dagenais	Seats (Total: 6)	
	W 10:00am - 10:50am	EGR 3102	
	Tu 2:00pm - 5:00pm	AVW 1366	Lab

ENEE488 **Independent Study in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular

The purpose is to provide students with an opportunity for independent study projects on advanced electrical and computer engineering topics. These projects typically involve academic investigations of technical themes that are not addressed in the established elective and special topics courses taught by the department on a regular basis. Study plans are tailored to students educational goals but are approved and supervised by faculty.

Prerequisite: permission of department.

Contact department for information to register for this course.

ENEE489N **Topics in Electrophysics; Antenna Design**

(Perm req)

Credits: 3 Grading Method: Regular

Selected topics of current importance in electrophysics.

Prerequisites: Minimum grade of C- in ENEE381 or ENEE382. Restriction: Permission of Electrical & Computer Engineering Department. A senior level hands-on course to expose students to the principles of antenna design and methods for generation and reception of GHz signals. The course includes theory and computer modeling, as well as fabrication and testing of small scale antennas used in naval communication systems. The course builds upon the concepts of electromagnetic wave introduced in ENEE381. Students will learn the state of the art in microwave instrumentation and techniques, along with simulation tools based on geometry. Students will analyze and test several prototype antenna configurations.

Contact department for information to register for this course.

ENEE489R **Topics in Electrophysics; Design of Passive and Low Power Microwave Devices**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Selected topics of current importance in electrophysics.

Prerequisite: Minimum grade of C- in ENEE382. The goals of this course are to survey the field of microwave engineering, investigate the current applications of microwave systems, and understand the basic operating principles of the most common sources and components

0101	Wesley Lawson TuTh 12:30pm - 1:45pm	Seats (Total: 20) EGR 3106

ENEE489W **Topics in Electrophysics; Incubating Quantum Leaps**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Selected topics of current importance in electrophysics.

Prerequisites: Minimum grade of C- in ENEE489Q or permission of instructor. A guided investigation and seminar course, in which advanced undergraduates assess potentially transformative applications of quantum technology. Students work in teams of two or three, with faculty guidance, to explore the research landscape across disciplines of interest to them, in order to assess promising new approaches for interdisciplinary, translational, pre-start-up, and/or start-up-ready quantum technology. Students read the relevant literature, examine the needs of potential technology users, and interact as needed with relevant faculty, students, postdocs, and potential customers and investors. For each of two projects per student team during the semester, a "case-study" is generated to assess and recommend possible paths forward for the quantum technology being assessed. Results can be provided to the researchers whose technology is assessed; and may inform new interdisciplinary research or translation.

0101	Ronald Walsworth MW 12:30pm - 1:45pm	Seats (Total: 6) EGR 2116

ENEE492 **Introduction to Quantum Technology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH141 and MATH240 or equivalent; and one of the following: PHYS360, PHYS401, PHYS457, CMSC457, or ENEE491; or permission of instructor. Cross-listed with: PHYS467. Credit only granted for: PHYS467 or ENEE492.

Investigates the basic concepts/building blocks of quantum computers, quantum key distribution, quantum networks, and quantum sensors. Examines what is needed to form a working qubit and different hardware platforms that implement them (for example, trapped ions, superconducting microwave circuits, color centers, and neutral atoms.) Conceptual and computational familiarity with complex numbers, vector spaces, bases, matrices, eigenvectors, and eigenvalues will be assumed, as well as quantum states/wave functions, and quantum measurement. Familiarity with spin-1/2 systems, and Pauli matrices is highly recommended.

0101	Alicia Kollar	Seats (Total: 30)
	TuTh 9:30am - 10:45am	PHY 1402

ENEE493 **Quantum Hardware Laboratory**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in one of the following courses: ENEE491, ENMA434, PHYS360, or PHYS401. Restriction: Must be in the Quantum Science and Engineering minor; or have permission from the ECE department; and permission of Department of Electrical and Computer Engineering.

The purpose of this lab course is to provide hands on experience for the students in working with experimental hardware and techniques which are used in research in the field of quantum computing, quantum communications and quantum sensors.

0101	Julius Goldhar	Seats (Total: 6)	
	M 3:30pm - 4:45pm	AVW 1458	
	W 1:00pm - 3:50pm	AVW 1414	Lab

ENEE498M **Topics in Electrical Engineering; Mathematical Methods in Electrical Engineering**

(Perm req)

Credits: 3 Grading Method: Regular

Selected topics of current importance in electrical engineering.

Prerequisite: Minimum grade of C- in MATH241; completion of all 200-level ENEE courses. A fundamental understanding of applied mathematical techniques that are essential for solving problems in various fields of electrical and computer engineering. The topics that will be covered are complex variables/analysis, linear algebra, Laplace and Fourier transforms, discrete math, and differential equations. The emphasis is on the application of these mathematical tools to problems that students encounter in the upper-division electrical and computer engineering courses. Computational tools such as Wolfram Alpha and MATLAB will be introduced.

Contact department for information to register for this course.

ENEE499 **Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-5 Grading Method: Regular

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily experimental research project. In that case, the student will enroll in ENEE499L.

Contact department for information to register for this course.

ENEE499H **Senior Projects in Electrical and Computer Engineering; Departmental Honors Thesis**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily experimental research project. In that case, the student will enroll in ENEE499L.

Contact department for information to register for this course.

ENEE499L **Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily experimental research project. In that case, the student will enroll in ENEE499L.

Contact department for information to register for this course.

ENEE499R **Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily experimental research project. In that case, the student will enroll in ENEE499L.

Contact department for information to register for this course.

ENEE600 **Solid State Electronics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE413; and must have background in elementary quantum mechanics. Credit only granted for: ENEE600 or ENEE793. Formerly: ENEE793.

Properties of crystals; energy bands: electron transport theory; conductivity and hall effect; statistical distributions; fermi level: impurities; non-equilibrium carrier distributions; normal modes of lattice vibration and thermal properties of crystals; tunneling phenomena; surface properties.

0101	Agisilaos Iliadis TuTh 2:00pm - 3:15pm	Seats (Total: 25) EGR 2154	

ENEE611 Integrated Circuit Design and Analysis

Credits: 3 Grading Method: Regular, Audit

Recommended: ENEE610. Credit only granted for: ENEE611 or ENEE696. Formerly: ENEE696.

Active and passive elements used in semiconductor structures. Design application of linear and digital integrated circuits.

0101	Timothy Horiuchi MW 2:00pm - 3:15pm	Seats (Total: 30) EGR 2116	

ENEE620 Random Processes in Communication and Control

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE324; or students who have taken courses with comparable content may contact the department.

Introduction to random processes: characterization, classification, representation; Gaussian and other examples. Linear operations on random processes, stationary processes: covariance function and spectral density. Linear least square waveform estimating Wiener-Kolmogroff filtering, Kalman-Bucy recursive filtering: function space characterization, non-linear operations on random processes.

0101	Prakash Narayan TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 18) AJC 2121 CHE 2145	 Discussion
0102	Prakash Narayan TuTh 2:00pm - 3:15pm Th 5:00pm - 5:50pm	Seats (Total: 18) AJC 2121 MTH 0102	 Discussion

ENEE630 Advanced Digital Signal Processing

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE425. Corequisite: ENEE620. Credit only granted for: ENEE624 or ENEE630. Formerly: ENEE624.

This is the first-year graduate course in signal processing. The objective is to establish fundamental concepts of signal processing on multirate processing, parametric modeling, linear prediction theory, modern spectral estimation, and high-resolution techniques.

0101	Behtash Babadi	Seats (Total: 40)	
	MW 3:30pm - 4:45pm F 10:00am - 10:50am	EGR 1104 CSI 2120	Discussion

ENEE641 Mathematical Foundations for Computer Engineering

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENEE641 or ENEE759F. Formerly: ENEE759F.

Mathematical modeling, design, analysis and proof techniques related to computer engineering. Probability, logic, combinatorics, set theory, and graph theory, as they pertain to the design and performance of computer engineering systems. Techniques for the design and analysis of efficient computational methods from graph theory and networks. Understanding of the limits on the efficiency of such computational methods. Translation from mathematical theory to actual programming. The course emphasizes mathematical rigor.

0101	Uzi Vishkin	Seats (Total: 30)	
	MW 9:30am - 10:45am	AJC 2132	

ENEE646 Digital Computer Design

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE446; or students who have taken courses with comparable content may contact the department.

Concepts and techniques for design of computer systems with improved performance. Advanced I/O systems, memory organization, pipeland and parallel processors, bus bandwidth, processor/memory interconnections, cache memory, virtual memory, multiprocessors, performance evaluation.

0101	Manoj Franklin	Seats (Total: 38)	
	MW 12:30pm - 1:45pm	EGR 3106	

ENEE660 System Theory

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE460 and MATH463; or students who have taken courses with comparable content may contact the department.

General systems models. State variables and state space. Linearity and its implications. Controllability and observability. State space structure and representation. Realization theory and algorithmic solutions. Parameterizations of linear systems; canonical forms. Basic results from stability theory. Stabilizability. Fine structure of linear multivariable systems; minimal indices and polynomial matrices. Interplay between frequency domain and state space.

0101	John Baras	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	EGR 2154

ENEE662 **Convex Optimization**

Credits: 3 Grading Method: Regular, Audit

Recommended: MATH410. Credit only granted for: ENEE759F or ENEE662.

Focuses on recognizing, solving, and analyzing convex optimization problems. Convex sets, convex functions, convex and quasi-convex optimization problems. Duality theory and optimality conditions. Specific classes of problems including linear optimization (LP), semi-definite optimization (SDP), geometric programming. Algorithms for unconstrained and constrained optimization; interior-point methods. Applications in controls, communications, signal processing, statistics, and other areas.

0101	Nuno Martins	Seats (Total: 35)
	MW 2:00pm - 3:15pm	EGR 1104

ENEE680 **Fundamentals of Electromagnetics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE381; or students who have taken courses with comparable content may contact the department.

Theoretical analysis and engineering applications of Maxwell's equations: boundary value problems of electrostatics and magnetostatics, dielectric and magnetic properties of matter, energy and momentum content of fields, introduction to EM wave propagation.

0101	Ronald Walsworth	Seats (Total: 25)
	MW 3:30pm - 4:45pm	EGR 2116

ENEE690 **Introduction to Quantum Mechanics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE381; or students who have taken courses with comparable content may contact the department.

Introduction to the Schroedinger equation, matrix formulations of quantum mechanics, identical particles, entanglement, approximation methods, symmetries. Applications to solid-state, atomic, and quantum information science.

0101	Edo Waks	Seats (Total: 30)
	TuTh 9:30am - 10:45am	AJC 2132

ENEE698Q **Graduate Seminar; Colloquium Series**

Credits: 1 Grading Method: Sat-Fail

Every semester regular seminars are held in electrical science and in the six areas of specialization offered by the electrical engineering department. They may be taken, by arrangement with the student's advisor, for repeated credit.

0101	Sennur Ulukus	Seats (Total: 80)
	F 3:30pm - 4:30pm	KEB 1110

ENEE699 **Independent Studies in Electrical Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Supervised individual study or project, or supervised group study or project, at an advanced level, in electrical engineering.

Contact department for information to register for this course.

ENEE719D **Advanced Topics in Microelectronics; Embedded Machine Learning**

Credits: 3 Grading Method: Regular, Audit

An introduction to the design and deployment of machine learning models optimized for edge devices and energy-efficient hardware accelerators. The course covers advanced model reduction techniques, such as quantization and pruning, to streamline complex models for deployment onresource-constrained platforms. Students will gain hands-on experience with Cadence Virtuoso to build circuits and systems that leverage in-memory computing architectures, facilitating efficient computation and reduced energy consumption.

0101	Sahil Shah, Ching-Yi Lin	Seats (Total: 20)
	MW 3:30pm - 4:45pm	EGR 0135

ENEE739F **Advanced Topics in Signal Processing; Foundations of Interpretable Artificial Intelligence**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Cross-listed with CMSC848W. Credit granted only for ENEE739F or CMSC848W. The course introduces advances in the field of eXplainable Artificial Intelligence (XAI), ranging from inherently interpretable models, all the way to posthoc explanations (e.g., feature attributions, counterfactual explanations, mechanistic interpretability). The course will also discuss connections between explainability and robustness, privacy, ethics, and trust, as well as, emergent research challenges in explainability for large generative models. Prerequisite: ENEE436 or a comparable introductory machine learning course.

0101	Sanghamitra Dutta	Seats (Total: 35)
	MW 11:00am - 12:15pm	AJC 2134

ENEE739Z **Advanced Topics in Signal Processing; Computational Imaging**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Computer Science or Electrical and Computer Engineering Master's or Doctoral programs, or permission of instructor. Cross-listed with ENEE739Z. Credit only granted for CMSC848B or ENEE739Z. Introduces various computational imaging systems and the algorithms that underlie their operation. Particular emphasis will be placed on recently developed learning based reconstruction algorithms. This is a mixed lecture/seminar course.

0101	Christopher Metzler	Seats (Total: 30)
	MW 2:00pm - 3:15pm	IRB 2207

ENEE759C **Advanced Topics in Computer Engineering; Domain Specific Architecture**

Credits: 3 Grading Method: Regular, Audit

Topics, as announced every semester, from the field of computer engineering and its applications.

Cross-listed with CMSC818J. Credit only granted for CMSC818J or ENEE759C.

0101	Bahar Asgari	Seats (Total: 30)
	MW 3:30pm - 4:45pm	IRB 1207

ENEE765 **Adaptive Control**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE660 and ENEE664; or students who have taken courses with comparable content may contact the department.

General principles of adaptive control. Self-tuning regulators and model reference adaptive systems. Theoretical issues: stability, convergence, and robustness. Practical issues: implementation, computation, auto-tuning, and other successful application. Alternatives to adaptive control.

0101	Perinkulam Krishnaprasad	Seats (Total: 20)
	TuTh 5:00pm - 6:15pm	AJC 2134

ENEE789D **Advanced Topics in Electrophysics; Optoelectronics Lab**

Credits: 3 Grading Method: Regular, Audit

Topics selected, as announced every semester, from the field of electrophysics and its applications.

Prerequisite: Knowledge of electromagnetic theory at the undergraduate level. Credit only granted for ENEE486, ENEE648D or ENEE789D. Formerly: ENEE648D. Hands-on experience in performing measurements in optics and electro-optics. Basics of optics (reflection, refraction, diffraction), imaging, light detectors, gratings and spectrometers, fiber optics, electro-optics, acousto-optics, polarization, solar cells and displays, optical light sources (blackbody, fluorescent, LEDs, semiconductor lasers).

0101	Mario Dagenais	Seats (Total: 6)	
	W 10:00am - 10:50am	EGR 3102	
	Tu 2:00pm - 5:00pm	AVW 1366	Lab
	W 11:00am - 11:50am	EGR 3102	Discussion

ENEE789W **Advanced Topics in Electrophysics; Advanced Topics in Electrophysics: Incubating Quantum Leaps**

Credits: 3 Grading Method: Regular, Audit

Topics selected, as announced every semester, from the field of electrophysics and its applications.

A guided investigation and seminar course in which students assess potentially transformative applications of quantum technology. Students work in teams of two or three, with faculty guidance, to explore the research landscape across disciplines of interest to them, in order to assess promising new approaches for interdisciplinary, translational, pre-start-up, and/or start-up-ready quantum technology. Students read the relevant literature, examine the needs of potential technology users, and interact as needed with relevant faculty, students, postdocs,and potential customers and investors. For each of two projects per student team during the semester, a "case-study" is generated to assess and recommend possible paths forward for the quantum technology being assessed. Results can be provided to the researchers whose technology is assessed; and may inform new interdisciplinary research or translation.

0101	Ronald Walsworth	Seats (Total: 12)
	MW 12:30pm - 1:45pm	EGR 2116

ENEE799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENEE889 **Teaching Workshop**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Provide training in education for senior PhD students who contemplate an academic career, and give them the opportunity to gain some teaching experience. Emphasis is on issues that are of special importance in electrical and computer engineering education.

Contact department for information to register for this course.

ENEE898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Provide training in education for senior PhD students who contemplate an academic career, and give them the opportunity to gain some teaching experience. Emphasis is on issues that are of special importance in electrical and computer engineering education.

Contact department for information to register for this course.

ENEE899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENES Engineering Science Fall 2025

ENES100 **Introduction to Engineering Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: PS General Education: DSSP

Prerequisite: Must have math eligibility for MATH140 or higher.

Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.

0201	Ted Baker TuTh 8:00am - 9:50am Contact instructor or department for details.	Seats (Total: 40) JMP 1116
0301	Aris Cleanthous MW 10:00am - 11:50am Contact instructor or department for details.	Seats (Total: 40) JMP 1116
0302	Richard Blanton MW 10:00am - 11:50am Contact instructor or department for details.	Seats (Total: 40) JMP 1120
0401	Isabel Lloyd TuTh 10:00am - 11:50am Contact instructor or department for details.	Seats (Total: 40) JMP 1116
0402	Aris Cleanthous TuTh 10:00am - 11:50am Contact instructor or department for details.	Seats (Total: 40) JMP 1120
0501	Peter Sunderland MW 12:00pm - 1:50pm Contact instructor or department for details.	Seats (Total: 40) JMP 1116

0502	Kevin Martz MW 12:00pm - 1:50pm Contact instructor or department for details.	Seats (Total: 40) JMP 1120
0601	Danielle Barker TuTh 12:00pm - 1:50pm Contact instructor or department for details.	Seats (Total: 40) JMP 1116
0602	Kevin Chiu TuTh 12:00pm - 1:50pm Contact instructor or department for details.	Seats (Total: 40) JMP 1120
0701	Joshua Cocker MW 2:00pm - 3:50pm Contact instructor or department for details.	Seats (Total: 40) JMP 1116
0702	Kevin Chiu MW 2:00pm - 3:50pm Contact instructor or department for details.	Seats (Total: 40) JMP 1120
0801	Amy Karlsson TuTh 2:00pm - 3:50pm Contact instructor or department for details.	Seats (Total: 40) JMP 1116
0802	David Kriesberg TuTh 2:00pm - 3:50pm Contact instructor or department for details.	Seats (Total: 40) JMP 1120
1001	Danielle Barker TuTh 4:00pm - 5:50pm Contact instructor or department for details.	Seats (Total: 40) JMP 1116
1002	Daanish Maqbool TuTh 4:30pm - 6:20pm Contact instructor or department for details.	Seats (Total: 40) JMP 1120
1101	Ethan Burbridge MW 6:30pm - 8:20pm Contact instructor or department for details.	Seats (Total: 40) JMP 1116
1102	Ali Akbarian MW 6:30pm - 8:20pm Contact instructor or department for details.	Seats (Total: 40) JMP 1120

1201	Kevin Chiu TuTh 6:00pm - 7:50pm Contact instructor or department for details.	Seats (Total: 40) JMP 1116	
1202	Akshay Kandakumar TuTh 6:30pm - 8:20pm Contact instructor or department for details.	Seats (Total: 40) JMP 1120	
FC01	Michael Galczynski MW 4:30pm - 6:20pm Contact instructor or department for details. *Restricted to students in Freshmen Connection. Freshmen Connection students must send an email to fc@umd.edu to request permission to enroll in this section.*	Seats (Total: 40) JMP 1116	
FC02	Kevin Chiu MW 4:30pm - 6:20pm Contact instructor or department for details. *Restricted to students in Freshmen Connection. Freshmen Connection students must send an email to fc@umd.edu to request permission to enroll in this section.*	Seats (Total: 40) JMP 1120	

ENES102 **Mechanics I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- or better in MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.

The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

Students must pay a $30 course materials fee

0102	Catherine Hamel MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 60) EGR 1108 EGR 0108	 Discussion
0103	Michael Galczynski MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 63) ATL 1113 ATL 1113	 Discussion
0104	Michael Galczynski MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 65) MCB 1207 PHY 1201	 Discussion

ENES102H **Mechanics I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- or better in MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.

The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

Students must pay at $30 course materials fee.

0101	Michael Galczynski MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 55) PHY 1204 PHY 1204	 Discussion
0201	Catherine Hamel MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 55) PHY 1204 PHY 1204	 Discussion
0301	Catherine Hamel MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 55) EGR 0108 PHY 1204	 Discussion

ENES113 **Virtus Living and Learning Community Seminar I**

Credits: 1 Grading Method: Regular

Restriction: Must be in first year Virtus program.

The seminar focuses on personal and professional development related to the field of engineering with a strong emphasis on clarifying career goals and decisions. Additional topics include an introduction to basic tools, undergraduate research opportunities, and campus and engineering resources.

0101	Danielle Barker W 4:00pm - 5:30pm	Seats (Total: 65) PHY 1201	

ENES115 **FLEXUS Living and Learning Community Seminar I**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be a first year FLEXUS Participant.

The seminar focuses on personal and professional development related to the field of engineering with a strong emphasis on clarifying career goals and decisions. Additional topics include an introduction to campus and engineering resources, basic tools, and undergraduate research opportunities. Students will discuss issues of concern through a variety of book readings, self-reflections, and panel discussions with practicing women engineers.

0101	Catherine Hamel W 4:00pm - 5:30pm	Seats (Total: 65) PLS 1140

ENES138 **Equity and Inclusion in Engineering Design**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Through deliberate reflections on past and current successes and failures in engineering design, you will develop skills for engaging in processes and practices that can transform your collaborations on teams and approach to engineering. This course engages students in facilitated dialogue in order to strengthen the engineering design process and outcomes.

Restriction: Must be a student in the A. James Clark School of Engineering or in the Global Engineering Leadership minor. Credit only granted for: ENES338K, CHSE338K, or ENES138. Formerly: ENES338K. Through deliberate reflections on the past and current patterns of exclusion and inclusion within engineering, you will develop skills for engaging in equitable and inclusive processes and practices that can transform your collaborations and approach to engineering and the design process. This course engages students, from multiple social identity groups, in facilitated dialogue that focus on the tensions, similarities, and differences of experience that exist within, between, and/or across groups.

0101	Paige Smith, Erin Wessell, Matt Scassero, Akua Asa-Awuku, Kelly McNulty, Aralia Ramirez **Meets October 20, 2025 - December 12, 2025** Tu 2:00pm - 4:00pm	Seats (Total: 32) Location: TBA
0201	Kelly McNulty, Abby Shantzis, Nicole Mogul, Timothy Farrell, Aralia Ramirez **Meets October 20, 2025 - December 12, 2025** W 4:00pm - 6:00pm	Seats (Total: 32) Location: TBA

ENES138U **Equity and Inclusion in Engineering Design; US Identity in a Global Context**

(Perm req)

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Through deliberate reflections on past and current successes and failures in engineering design, you will develop skills for engaging in processes and practices that can transform your collaborations on teams and approach to engineering. This course engages students in facilitated dialogue in order to strengthen the engineering design process and outcomes.

Contact department for information to register for this course.

ENES140 Discovering New Ventures

Credits: 3 Grading Method: Regular General Education: DSSP

Additional information: This course may count as an elective for a student at the University of Maryland, depending on the student's specific degree program. It cannot be counted towards the requirements for the Smith School of Business Entrepreneurship Fellow Program.

Students explore dynamic company startup topics by working in teams to design a new venture. This multi-disciplinary course helps students to learn the basic business, strategy, and leadership skills needed to launch new ventures. Topics include learning how to assess the feasibility of a startup venture, as well as how to apply best practices for planning, launching, and managing new companies. Students discuss a wide range of issues of importance and concern to entrepreneurs and learn to recognize opportunities, assess the skills and talents of successful entrepreneurs, and learn models that help them navigate uncertainty.

0101	James Green Class time/details on ELMs	Seats (Total: 350) ONLINE
0201	James Green Class time/details on ELMs	Seats (Total: 350) ONLINE
0301	James Green Class time/details on ELMs	Seats (Total: 250) ONLINE
0401	James Green Class time/details on ELMs	Seats (Total: 250) ONLINE
0501	James Green Class time/details on ELMs	Seats (Total: 250) ONLINE
0601	James Green Class time/details on ELMs	Seats (Total: 250) ONLINE
FC01	Michael Pratt MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 100) ESJ 0224

ENES181 Engineering & The Grand Challenges

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must be a new freshman or transfer student.

Introduction to the various fields of engineering and the necessary context for students to fully engage in selected National Academy of Engineering's Grand Challenges such as economical solar energy, carbon sequestration, access to clean water, engineering better medicines, restoring urban infrastructure and personalized learning. The lectures and activities will provide an introduction to the engineering disciplines, NAE Grand Challenges, STEM cultures, and research.

0101	Samuel Graham	Seats (Total: 100)
	W 4:00pm - 4:50pm	ANS 0408

ENES192 **Engineering For Us All**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSSP

Prerequisite: MATH107. Additional information: Recommended for non-engineering majors.

Students are challenged to uncover hidden valuable connections among a variety of disciplines, while creatively seeking and solving problems as a team. Students learn and practice skills for how groups function and identify innovation while addressing the tensions between our inherent drives to seek and solve, to share, and to sell.

FC01	Joshua Cocker	Seats (Total: 48)
	MW 4:30pm - 5:45pm	AJC 1120
	Restricted to students in Freshmen Connection.	

ENES193 **Engineering Design Principles and Practices**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENES192. Credit only granted for: ENES100 or (ENES192 and ENES193).

Introduces students to engineering design practices by challenging them to modify an existing product or design to meet additional specifications and constraints. Using a combination of computational modeling, CAD tools, and rapid prototyping techniques, students will iteratively develop, test, and refine their designs. Teams will justify design choices based on data, performance criteria, and real-world considerations. By the end of the course, students will have built and tested a functional prototype, critically evaluated both their design product and design process, and recommended areas for future improvements to both product and process.

0101	Joshua Cocker **Meets September 3, 2025 - October 17, 2025** W 3:00pm - 3:50pm F 2:00pm - 3:50pm	Seats (Total: 20) Location: TBA Location: TBA	

ENES200 **Technology and Consequences: Engineering, Ethics and Humanity**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, SCIS

Credit only granted for: ENEE200 or ENES200.

What makes a technology socially responsible? At UMD, the Fearless Ideas campaign asks us to aim our enthusiasm for technology at big real problems. At the same time, we are coming to appreciate the increasingly complex nature of technological systems as they become integrated into all forms of infrastructure, we realize they may be unpredictable, interdependent on social and biological systems, and have unintended consequences. In this midst of this complexity, people make decisions with far reaching impacts. How then do we follow our passion for technology and innovation but also stay skeptical in a way that allows us to consider the potential and shortcomings of technology? Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology.

0101	Roan Parrish TuTh 9:30am - 10:45am F 9:00am - 10:15am	Seats (Total: 16) ESJ 1215 EGR 1102	Discussion
0102	Roan Parrish TuTh 9:30am - 10:45am F 10:30am - 11:45am	Seats (Total: 16) ESJ 1215 PLS 1129	Discussion
0103	Roan Parrish TuTh 9:30am - 10:45am F 12:00pm - 1:15pm	Seats (Total: 16) ESJ 1215 MTH B0429	Discussion
0104	Roan Parrish TuTh 9:30am - 10:45am F 1:30pm - 2:45pm	Seats (Total: 15) ESJ 1215 HBK 0125	Discussion
0105	Roan Parrish TuTh 9:30am - 10:45am F 3:00pm - 4:15pm	Seats (Total: 15) ESJ 1215 EGR 3111	Discussion

0201	Alexandra Harlig TuTh 2:00pm - 3:15pm F 9:00am - 10:15am	Seats (Total: 16) TWS 1310 EGR 3114	Discussion
0202	Alexandra Harlig TuTh 2:00pm - 3:15pm F 10:30am - 11:45am	Seats (Total: 16) TWS 1310 ATL 1106	Discussion
0203	Alexandra Harlig TuTh 2:00pm - 3:15pm F 12:00pm - 1:15pm	Seats (Total: 16) TWS 1310 EGR 3102	Discussion
0204	Alexandra Harlig TuTh 2:00pm - 3:15pm F 1:30pm - 2:45pm	Seats (Total: 15) TWS 1310 MTH B0427	Discussion
0205	Alexandra Harlig TuTh 2:00pm - 3:15pm F 3:00pm - 4:15pm	Seats (Total: 15) TWS 1310 EGR 1110	Discussion
0301	Christine Alexander TuTh 3:30pm - 4:45pm F 9:00am - 10:15am	Seats (Total: 16) ESJ 1215 EGR 3102	Discussion
0302	Christine Alexander TuTh 3:30pm - 4:45pm F 10:30am - 11:45am	Seats (Total: 16) ESJ 1215 PLS 1113	Discussion
0303	Christine Alexander TuTh 3:30pm - 4:45pm F 12:00pm - 1:15pm	Seats (Total: 16) ESJ 1215 MTH B0427	Discussion
0304	Christine Alexander TuTh 3:30pm - 4:45pm F 1:30pm - 2:45pm	Seats (Total: 15) ESJ 1215 EGR 3102	Discussion
0305	Christine Alexander TuTh 3:30pm - 4:45pm F 3:00pm - 4:15pm	Seats (Total: 15) ESJ 1215 MTH B0431	Discussion

0401	Alexandra Harlig TuTh 11:00am - 12:15pm F 9:00am - 10:15am	Seats (Total: 16) ESJ 1215 HBK 0125	Discussion
0402	Alexandra Harlig TuTh 11:00am - 12:15pm F 10:30am - 11:45am	Seats (Total: 16) ESJ 1215 HBK 0125	Discussion
0403	Alexandra Harlig TuTh 11:00am - 12:15pm F 12:00pm - 1:15pm	Seats (Total: 16) ESJ 1215 EGR 3114	Discussion
0404	Alexandra Harlig TuTh 11:00am - 12:15pm F 1:30pm - 2:45pm	Seats (Total: 15) ESJ 1215 EGR 3114	Discussion
0405	Alexandra Harlig TuTh 11:00am - 12:15pm F 3:00pm - 4:15pm	Seats (Total: 15) ESJ 1215 PHY 4222	Discussion
0501	Nicholas Misukanis TuTh 2:00pm - 3:15pm F 9:00am - 10:15am	Seats (Total: 16) ESJ 1215 HBK 1112	Discussion
0502	Nicholas Misukanis TuTh 2:00pm - 3:15pm F 10:30am - 11:45am	Seats (Total: 16) ESJ 1215 HJP 2217	Discussion
0503	Nicholas Misukanis TuTh 2:00pm - 3:15pm F 12:00pm - 1:15pm	Seats (Total: 16) ESJ 1215 HBK 0125	Discussion
0504	Nicholas Misukanis TuTh 2:00pm - 3:15pm F 1:30pm - 2:45pm	Seats (Total: 15) ESJ 1215 MTH B0429	Discussion
0505	Nicholas Misukanis TuTh 2:00pm - 3:15pm F 3:00pm - 4:15pm	Seats (Total: 15) ESJ 1215 EDU 2102	Discussion

ENES210 **Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures**

Credits: 3 Grading Method: Regular CORE: IE General Education: DSSP, SCIS

Credit only granted for: ENES210 or ENES461.

This multi-disciplinary course helps students learn the principles of entrepreneurial opportunity analysis and decision-making in an increasingly dynamic and technically-inclined society. Emphasis is placed on how aspiring technology entrepreneurs can develop their entrepreneurial perspectives to develop winning entrepreneurial plans for their future ventures.

0101	Michael Pratt, James Green M 9:00am - 9:50am Class time/details on ELMs	Seats (Total: 120) ESJ 1224 ONLINE
0201	Michael Pratt, James Green M 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 75) ESJ 2212 ONLINE
0301	Michael Pratt, James Green M 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 75) ESJ 2212 ONLINE
0401	James Green, Michael Pratt M 2:00pm - 2:50pm Class time/details on ELMs	Seats (Total: 75) ESJ 0215 ONLINE
0501	James Green W 9:00am - 9:50am Class time/details on ELMs	Seats (Total: 120) ESJ 1224 ONLINE
0601	James Green W 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 220) ESJ 0202 ONLINE
0701	James Green W 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 220) ESJ 0202 ONLINE
0801	James Green W 2:00pm - 2:50pm Class time/details on ELMs	Seats (Total: 75) ESJ 0215 ONLINE

ENES213 **Virtus Living and Learning Community Seminar III**

(Perm req)

Credits: 1 Grading Method: Regular General Education: DVCC

Prerequisite: ENES113 and ENES114. Restriction: Must be a participant in the second year of the Virtus living-learning program.

The seminar focuses on personal, academic and professional success by cultivating leadership skills, developing academic and technical ability and encouraging self awareness, identifying and employing strategies for academic and professional success, further enhancing career development through networking and mentoring and developing awareness of diversity issues.

0101	Samantha Sabihi, Tyler Huddleston W 5:00pm - 6:15pm	Seats (Total: 15) JMP 2202
0102	Tyler Huddleston, Samantha Sabihi W 6:30pm - 7:45pm	Seats (Total: 15) JMP 2202

ENES215 **FLEXUS Living and Learning Community Seminar III**

(Perm req)

Credits: 1 Grading Method: Regular General Education: DVCC

Prerequisite: ENES115 and ENES116. Restriction: Must be a second year FLEXUS participant.

The seminar focuses on personal, academic and professional success by cultivating leadership skills, developing self-confidence and self-efficacy in academic and technical ability and encouraging self awareness, identifying and employing strategies for academic and professional success, further enhancing career development through networking, mentoring and role modeling, and developing awareness of diversity issues, specifically gender diversity.

0101	Samantha Sabihi, Tyler Huddleston W 5:00pm - 6:15pm	Seats (Total: 18) JMP 2202
0102	Tyler Huddleston, Samantha Sabihi W 6:30pm - 7:45pm	Seats (Total: 18) JMP 2202

ENES220 **Mechanics II**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must not be in Engineering: Electrical program.

Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab.

Students must pay a $35 course materials fee.

0101	Kevin Calabro MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 58) CHE 2108 ESJ 1202	Discussion
0201	Kevin Calabro MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 58) CHE 2108 ESJ 1202	Discussion
0301	Robert Bonenberger MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 60) EGR 1108 SPH 1303	Discussion
0401	Kevin Calabro MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 59) PLS 1140 EGR 0108	Discussion
0402	Mary Bowden MW 5:00pm - 5:50pm F 3:00pm - 4:50pm	Seats (Total: 58) PLS 1130 CSI 2117	Discussion
0501	Robert Bonenberger MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 58) PLS 1140 CSI 3117	Discussion
0601	Kevin Calabro MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 60) CHE 2110 ESJ 1202	Discussion

ENES221 **Dynamics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.

Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space.

0101	Harry Dankowicz MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 52) PHY 4221 ATL 1113	Discussion

0102	Patrick McAvoy MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 54) ESJ 2309 EGR 1108	 Discussion
0103	Patrick McAvoy MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 53) ATL 2428 EGR 1108	 Discussion
0104	Ken Kiger MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 55) EGR 1108 CSI 2117	 Discussion
0105	Patrick McAvoy MW 2:00pm - 2:50pm F 3:00pm - 4:50pm	Seats (Total: 55) ATL 2400 EGR 1108	 Discussion

ENES232 **Thermodynamics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in PHYS161, MATH141, CHEM135, and (ENES102 or ENAE222). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: BIOE232, CHBE301, or ENES232.

Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

For all sections of ENES 232 there will be common midterm examinations on periodic Thursdays from 7:00-8:15pm. As such, this time should be held available on the course schedule.

0101	Catherine Hamel MW 9:00am - 9:50am F 9:00am - 10:50am Th 7:00pm - 8:15pm	Seats (Total: 57) EGR 1108 EGR 0108 Location: TBA	 Discussion Discussion
0301	Paul Anderson MW 1:00pm - 1:50pm F 1:00pm - 2:50pm Th 7:00pm - 8:15pm	Seats (Total: 56) EGR 1108 SPH 1303 Location: TBA	 Discussion Discussion
0302	Joshua Cocker MW 1:00pm - 1:50pm F 1:00pm - 2:50pm Th 7:00pm - 8:15pm	Seats (Total: 54) CSI 2117 IRB 1207 Location: TBA	 Discussion Discussion

ENES240 **Ethical, Policy and Social Implications of Science and Technology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, SCIS

Cross-listed with: PLCY240. Credit only granted for: ENES240 or PLCY240.

Asks students to think about how society should manage complexity, transformation, and uncertainty with an eye on developing a broader sense of ethics and social responsibility. Introduces analytical frameworks, concepts, and data collection techniques that interdisciplinary scholars use to map relationships among science, technology and society and generate important questions about the future of society.

0101	Timothy Reedy TuTh 12:30pm - 1:45pm	Seats (Total: 30) AJC 2119
0201	Nicholas Misukanis TuTh 3:30pm - 4:45pm	Seats (Total: 30) AJC 2119

ENES300 **Unveiling hidden barriers: How the world is engineered for some, and not for others**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the A. James Clark School of Engineering; or must have permission from the A. James Clark School of Engineering.

By unveiling hidden barriers in technical design, students will use a multidisciplinary approach to envision and propose more inclusive, equitable, and community-responsive design. Through a systems-thinking lens and case studies from both the U.S. and global contexts, students will analyze how historical, political, and social forces shape design processes, determine access and benefit, and often reproduce inequities. Students will engage with case studies and real world application within STEM education; artificial intelligence; transportation infrastructure; safety & compliance; urban design; data, information technology & cybersecurity; and agriculture & food sciences.

0101	Shanah Khan Tu 11:00am - 12:50pm	Seats (Total: 14) ONLINE

ENES317 **Introduction to Leadership in Engineering, Science, and Technology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Restriction: Must be in the Minor in Global Engineering Leadership(#EN09). Additional information: Students not meeting restriction requirements should add themselves to the course holdfile. Restrictions DO NOT apply to winter and summer terms.

Develop a comprehensive overview and introduction to leadership and organizational development. Students will reflect on their own leadership experiences, develop a strong foundational knowledge of leadership theory, and advance their capacities in effectively leading teams. Students will connect leadership theory to practice by engaging in case study analysis and critique leadership practices enacted within engineering and technology settings. Students will complete self-assessments to better understand their own leadership strengths and refine their approaches to leadership by incorporating theories covered in this course.

0101	Darren Pierre M 5:00pm - 7:30pm	Seats (Total: 45) ANS 0412

ENES397 **Mentoring Multidisciplinary Teams**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BMGT290 or ENED290. Restriction: Must be in the QUEST Program (TQMP). Cross-listed with: ENED397. Credit only granted for: BMGT397, ENES397 or ENED397.

QUEST mentors serve a valuable purpose in the program as they coach new cohorts of students progressing through BMGT/ENED290H. Mentors will learn and practice essential team-building and facilitation skills, including effective communication, conflict management, strengths-based leadership, and lesson planning. They will use these leadership skills to inspire their 290H teams and improve team performance.

0101	Emily Marks Tu 5:00pm - 7:40pm	Seats (Total: 9) ESJ 2101

ENES401 **Entrepreneurial Design Realization**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must have senior standing and permission of instructor. Cross-listed with: ENME401. Credit only granted for: ENME401, ENME489B or ENES401. Formerly: ENME489B.

The vision for this course, and an aspect that makes it unique, is to expose students to the opportunities and challenges of bringing a product design to reality (entrepreneurship). The emphasis is on environmentally and socially sustainable projects. The end-product of this course will be full-scale implementations or complete design "packages" that can be taken to potential stakeholders.

0201	Vincent Nguyen TuF 2:00pm - 3:15pm	Seats (Total: 18) EGL 0105

ENES424 **Engineering Leadership Capstone: Inclusive Leadership in Addressing Organizational & Societal Challenges**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES472 and ENES317. Restriction: Must be in the Global Engineering Leadership minor (#EN09).

The Minor in Global Engineering Leadership is designed to bring together one's understanding of leadership, organizations, culture, and global studies and apply this synthesized learning to a capstone project. The project will provide real-world application of global leadership principles to address an organizational or societal need. Students will utilize an inclusive leadership and global mindset to propose a big idea which brings about a positive organizational or societal change.

0101	Darren Pierre	Seats (Total: 30)
	Tu 5:00pm - 6:30pm	MTH 0403
	Class time/details on ELMs	ONLINE

ENES428 **Engineering Research for Exchange Students**

(Perm req)

Credits: 3-12 Grading Method: Regular, Pass-Fail, Audit

Directed research within the Clark School of Engineering for international exchange students.

Contact department for information to register for this course.

ENES440 **Science, Technology, Ethics, and Policy: Minor Program Capstone**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Students must receive a B- or better in ENES240 and take 2 courses from the STEP minor elective list. Restriction: Must be in the Science, Technology, Ethics, and Policy minor. Additional information: This is the culminating course the STEP minor program.

Capstone research seminar for students in the Science, Technology, Ethics, and Policy Minor program.

This is the culminating course for the STEP minor program.

0101	Jesse Klein	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	AJC 2119

ENES461 **Advanced Entrepreneurial Opportunity Analysis in Technology Ventures**

Credits: 3 Grading Method: Regular

Credit only granted for: ENES210 or ENES461.

Explores the factors that influence entrepreneurial opportunity analysis in technology-based ventures. Uses a cognitive theoretical framework to examine the integration of motivation, emotions and information processing modes to make complex entrepreneurial decisions in technology venture environments.

0101	James Green	Seats (Total: 305)
	Class time/details on ELMs	ONLINE

0201	James Green	Seats (Total: 260)
	Class time/details on ELMs	ONLINE

ENES462 **Marketing High-Technology Products and Innovations**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Maryland Technology Enterprise Institute. Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.

Examines the opportunities and challenges of marketing high-technology products in turbulent environments requiring rapid decision making with incomplete information. Explores how innovations are introduced at frequent intervals, research-and-development spending is vital, and there are high mortality rates for both products and businesses.

0101	David Bosley	Seats (Total: 31)
	Class time/details on ELMs	ONLINE

ENES467 **Engineering for Social Change**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Junior standing or higher. Cross-listed with: ENME467. Credit only granted for: ENES467 or ENME467. Additional information: Students in the Mechanical Engineering (ENME) major should register for ENME467, all other majors should register under ENES467.

Critical analysis of issues at the intersection of engineering, philanthropy and social change. How engineering design, products and processes have created social change in the past and will do so in the future through both intended and unintended consequences. Topics covered include energy, sustainability and climate change, autonomy, the digital future, low cost engineering, manufacturing, philanthropy, ethics and the impact of electronics on society, among others. Faculty and external experts will engage with students on these topics. Students will broadly engage with organizations involved in using technology for positive social impact.

0101	Sami Ainane	Seats (Total: 70)
	F 1:00pm - 3:40pm	IRB 1116

ENES472 **Leading Global Teams and Engaging Across Cultures in Business, Engineering, and Technology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DVCC

Restriction: Sophomore standing or higher; must be a minor in Global Engineering Leadership (#EN09), Global Poverty (#AG06), Global Terrorism Studies (#BS07), or International Development and Conflict Management (#BS02). Credit only granted for: ENES472, SLLC471, or SLLC473. Additional information: Students not meeting restriction requirements should add themselves to the course holdfile. Restrictions DO NOT apply to winter and summer terms.

Develop global leadership capacities and an understanding of the cultural aspects pertaining to industry and international business. In a globalized world, the ability to work, lead and communicate in culturally diverse settings has become a core component to leadership. Through real-world examples, research, and simulations, students will increase their self-awareness and understanding of culture and how culture influences attitudes, behaviors, and practices at the individual, organizational, or societal levels. Students will develop the skills necessary to navigate, negotiate, and lead cross-cultural engagements and teams. The course content is relevant and applicable to anyone interested in developing cross-cultural leadership competencies and cultivating a global mindset.

0101	Darren Pierre Th 5:00pm - 6:30pm Class time/details on ELMs	Seats (Total: 50) CSI 1121 ONLINE

ENES480 **Engineering Honors Seminar I**

Credits: 1 Grading Method: Regular

Restriction: Must be in College of Engineering Honors; and junior standing or higher.

Introduction to engineering leadership, professionalism, and ethics. Discussions of leadership style, elements of success, professional communication, codes of ethics, handling of ethical dilemmas, and the characteristics of a professional.

0101	Wesley Lawson F 10:00am - 10:50am	Seats (Total: 12) EGR 1110
0102	Wesley Lawson F 1:00pm - 1:50pm	Seats (Total: 12) CHE 2116
0103	Wesley Lawson F 11:00am - 11:50am	Seats (Total: 12) EGR 1110

ENES490H **QUEST Capstone Professional Practicum**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BMGT390, ENES390 or ENED390. Cross-listed with: ENED490. Credit only granted for: BMGT490, ENES490 or ENED490. Formerly: ENES490.

The capstone course for the QUEST Honors Program provides students with an opportunity to learn in multidisciplinary teams of business, engineering, and science students in a real-world setting. Companies engage teams of QUEST students with real organizational challenges and dedicate resources to help students address these problems. Student teams must enhance their skills in quality management, process improvement, and systems design and will apply these to add value to a client. In the process, students will improve their teamwork skills.

Fourth course in a sequence of four Total Quality Program Courses. Restricted to QUEST Honors Program students.

0101	Maria Bardossy, David Ashley	Seats (Total: 45)
	W 5:00pm - 7:40pm Contact instructor or department for details.	VMH 1308

ENES491 **Scoping Projects for Business Impact**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: BMGT190, ENES190, ENED290 or BMGT290. Restriction: Must be in the QUEST Program (TQMP). Cross-listed with: ENED491. Credit only granted for: BMGT491, ENES491 or ENED491. Formerly: ENES491.

Students cultivate relationships with new and current corporate partners and prepare project scopes for QUEST courses. As part of the scoping process, students learn about techniques for reaching out to clients, assessing current relationships to determine how to approach an organization, pitching project sponsorship, and determining a project scope. The course includes independent work networking with clients and phone call and video discussions with potential clients.

Cross-listed with BMGT491.

0101	Jessica Roffe	Seats (Total: 11)
	Tu 11:00am - 1:00pm Contact instructor or department for details.	VMH 3330H

ENES498R **Special Topics in Entrepreneurship; Fearless Founders: New Venture Practicum**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

This entrepreneurship seminar and case study-based course will explore technology entrepreneurship with a focus on leadership, marketing, team-building, and management of new technology ventures and assumes baseline knowledge of entrepreneurship. Students will learn skills needed to succeed as a technology entrepreneur and how to apply best practices for planning, launching, and growing new companies. This course is a requirement of the Hinman CEOs program.

0101	Le-Marie Thompson	Seats (Total: 25)
	M 5:00pm - 7:40pm	VMH 3330H

ENES602 **Future Faculty Program Seminar II**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Restriction: Must be in the Clark School Future Faculty Program.

Effective teaching techniques. Basic principles of education and learning. Developing a course; promoting active learning, problem solving and critical thinking; designing exam and assignments; and communicating effectively with students.

This course is only open to students in the Clark School Future Faculty Program or by permission of Department.

0101	Amy Karlsson	Seats (Total: 25)
	M 2:00pm - 3:15pm	MTH B0425

ENES604 **Future Faculty Program Teaching Practicum**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Prerequisite: ENES602. Restriction: Must be a graduate student in the Clark School Future Faculty Program; and students for whom English is not the native language must pass the Maryland English Institute ITA Evaluation prior to enrolling in this course.

Graduate students will co-teach a course under supervision of a faculty mentor. Graudate students will be involved in all aspects of the course including development of syllabus, presenting lectures, writing and grading examiniations, and evaluating the students in the course.

0101	Min Wu	Seats (Total: 10)
	Contact instructor or department for details.	

ENES660 **Fundamentals of Product Management**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Product Management Master of Professional Studies program; or permission of Maryland Technology Enterprise Institute.

Provides a comprehensive survey of product management and its growing role in producing technology-driven products that customers love. Guides students through the product lifecycle and market lifecycle, diving into the competencies needed at each stage. Topics include startup and corporate strategy, product strategy, vision setting and evangelism, development lifecycle approaches based on customer involvement and product stage, the various types of innovation at each stage of the lifecycle, and how the product manager leads the team through it all. Learn the basics of customer discovery, product discovery, product delivery, and the core-context model for managing products through maturity.

PLM1	Damien Peters	Seats (Total: 40)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE
	Students in the MPS in Product Management may register without permission. All other graduate students may contact mppm@umd.edu for permission to enroll. Golden ID students are not eligible for this section.	

ENES662 **Innovative Ideas and Concept Development**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Technology Entrepreneurship and Corporate Innovation Master of Professional Studies program; or permission of Maryland Technology Enterprise Institute.

Enables aspiring entrepreneurs to understand the content, methods, and models for new venture opportunity assessment and analysis. Focuses on how to identify and analyze entrepreneurial opportunities for technology-based ventures by first understanding the personal self and decision-making factors. Explores how to evaluate new venture opportunities and challenges within industries and markets.

PLM1	James Green	Seats (Total: 20)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE
	Students in the MPS in Technology Entrepreneurship and Corporate Innovation may register without permission. All other graduate students may contact mpte@umd.edu for permission to enroll. Golden ID students are not eligible for this section.	

ENES663 Strategies for Managing Innovation

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Product Management or the Technology Entrepreneurship and Corporate Innovation Master of Professional Studies programs; or permission of Maryland Technology Enterprise Institute.

Emphasizes how innovative leaders can use strategic management of innovation and technology to enhance firm performance. It helps students to understand the process of technological change; the ways that firms come up with innovations; the strategies that firms use to benefit from innovation; and the process of formulating technology strategy. It provides frameworks for analyzing key aspects of these industries and teaches students how to apply these frameworks.

PLM1	Sharon Flank	Seats (Total: 50)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE
	Students in the MPS in Product Management or MPS in Technology Entrepreneurship and Corporate Innovation may register without permission. All other graduate students may contact mtecheducation@umd.edu for permission to enroll. Golden ID students are not eligible for this section.	

ENES665 Innovative Thinking

Credits: 3 Grading Method: Regular

Restriction: Must be in the Product Management or the Technology Entrepreneurship and Corporate Innovation Master of Professional Studies programs; or permission of Maryland Technology Enterprise Institute.

Introduces students to new and powerful tools to boost their creative problem solving skills. Participants re-discover their communication and teaming skills. Students unlock their creativity potential, and explore win-win approaches to define and solve problems of different kinds. Students are also introduced to topics related to intellectual property.

PLM1	Frankie Abralind	Seats (Total: 25)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE
	Students in the MPS in Product Management may register without permission. All other graduate students may contact mppm@umd.edu for permission to enroll. Golden ID students are not eligible for this section.	

ENES672 **Launching Technology Startup Ventures**

Credits: 6 Grading Method: Regular, Sat-Fail

Restriction: Must be in the Technology Entrepreneurship and Corporate Innovation Master of Professional Studies program; or permission of Maryland Technology Enterprise Institute.

Explores the processes and skills needed to launch and manage technology startup ventures. Learn how to apply best practices for planning, launching, and leading new companies. Discusses a wide range of issues of importance and concern to entrepreneurs, to include how to navigate uncertainty.

PLM1	Harry D'Andrea	Seats (Total: 20)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE
	Students in the MPS in Technology Entrepreneurship and Corporate Innovation may register without permission. All other graduate students may contact mpte@umd.edu for permission to enroll.	

ENES673 **Financing the Product Life Cycle**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Product Management Master of Professional Studies program; or permission of Maryland Technology Enterprise Institute.

Provides the essential tools and skills to build a strong financial foundation for designing, developing, and managing new products within established companies and organizations. Examines accounting principles as well as methods for managing the financials of the product. Discusses navigating the multitude of financial barriers that may block success, as well as how to raise the right amount of capital at the right time from the right source, with an emphasis on internal company financing.

PLM1	Michael Pratt	Seats (Total: 25)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE
	Students in the MPS in Product Management may register without permission. All other graduate students may contact mppm@umd.edu for permission to enroll. Golden ID students are not eligible for this section.	

ENES674 Managing Product Development and Operations

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Product Management Master of Professional Studies program; or permission of Maryland Technology Enterprise Institute.

Explores the evolution of modern management methods for operations and product development. Evaluates production and operation methods from inception to factory-based models of productivity, through the quality and lean movements, to the explosion of productivity with modern approaches. Focuses on how to effectively run large-scale agile teams with agile engineering at its core.

PLM1	Michael O'Connor	Seats (Total: 25)
	Meets September 2, 2025 - November 21, 2025	
	Class time/details on ELMs	ONLINE
	Students in the MPS in Product Management may register without permission. All other graduate students may contact mppm@umd.edu for permission to enroll. Golden ID students are not eligible for this section.	

ENES680 Building and Leading Innovative Organizations

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Product Management Master of Professional Studies program; or permission of Maryland Technology Enterprise Institute.

Focuses on building a product enterprise through lean product portfolio management. Defines the conceptual groundwork that enables achieving the vision of a customer-centric value creation business model centered around lean principles. Explains the details of building a scaled product enterprise and explores alignment of organizational support functions with a product framework that lays the pathway for a sustainable value maximizing enterprise at scale.

PLM1	Tushar Rathod **Meets September 2, 2025 - November 21, 2025** Class time/details on ELMs	Seats (Total: 25) ONLINE	
	Students in the MPS in Product Management may register without permission. All other graduate students may contact mppm@umd.edu for permission to enroll. Golden ID students are not eligible for this section.		

ENFP Engineering, Fire Protection Fall 2025

ENFP101 **Introduction to Fire Protection Engineering**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP108 or ENFP101. Formerly: ENFP108.

This course will introduce students to the impact of fire on people, property and the environment and methods to mitigate the threat of fire. Student teams will apply the principles of fire behavior and fire safety systems covered in the first half of the course to design, build and test a fire safe, small-scale apartment. A final experiment will be conducted to provide an assessment of the complete designs of each team.

0101	Stanislav Stoliarov M 12:00pm - 12:50pm	Seats (Total: 25) JMP 1109	

ENFP250 **Introduction to Life Safety Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP250 or ENFP251. Formerly: ENFP251.

Introduction to fire protection engineering and building regulation focusing on building safety systems, egress system design and evacuation modeling.

0101	Rosalie Hrybyk TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 32) AJC 2134 JMP 1202	Discussion
ESV1	William Koffel Class time/details on ELMs	Seats (Total: 10) ONLINE	
	Restricted to students pursuing fire protection engineering courses online.		

ENFP300 **Fire Protection Fluid Mechanics**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH246 and ENFP201; and must have completed or be concurrently enrolled in PHYS260, PHYS261. Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: BIOE331, ENCE305, ENFP300, or ENME331.

Presents students with the fundamental properties of fluids and fluid movement. Both static and dynamic fluid problems will be considered with an emphasis on fire protection systems.

0101	Paul Anderson	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	JMP 2216	
	W 12:00pm - 12:50pm	JMP 2216	Discussion

ENFP405 **Structural Fire Protection**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES220. Restriction: Must be in Engineering: Fire Protection program; and permission of ENGR-Fire Protection Engineering department. Jointly offered with: ENFP621. Credit only granted for: ENFP405 or ENFP621.

Effects of elevated temperature on structural materials; steel, concrete, wood, gypsum, glass and reinforced plastics. Experimental evaluation of fire resistance of building assemblies. Analytical methods to evaluate fire resistance of structural members.

0101	Shuna Ni	Seats (Total: 27)
	TuTh 3:30pm - 4:45pm	JMP 2202

ENFP410 **Special Hazard Suppression Systems**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENFP310 and ENFP312. Restriction: Permission of ENGR-Fire Protection Engineering department. Jointly offered with: ENFP610. Credit only granted for: ENFP410, ENFP610 or ENFP653.

Analysis of application and theory of fire suppression systems. The key elements of fire suppression systems will be discussed along with how they interact for effective fire suppression design. Physical mechanisms for a variety of fire suppression approaches will be discussed including hose streams, sprinklers, water mist, foam, clean agents, and chemical agents.

0101	Mark Hopkins, Donald Hopkins	Seats (Total: 28)
	MW 8:30am - 9:45am	AJC 2121

ENFP415 **Fire Dynamics**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENFP312. Restriction: Permission of ENGR-Fire Protection Engineering department. Jointly offered with ENFP651. Credit only granted for: ENFP415 or ENFP651.

Designed to give students a quantitative understanding of fire behavior. The fundamentals of physics and chemistry of combustion are presented and used to derive key analytical relationships that describe fire growth. Application of these relationships to the analysis of common fire scenarios is emphasized.

0101	Ali Tohidi	Seats (Total: 27)
	TuTh 11:00am - 12:15pm	JMP 2202

ENFP425 **Enclosure Fire Modeling**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES232, ENFP300, and ENFP312. Restriction: Must be in Engineering: Fire Protection program; and senior standing; and permission of ENGR-Fire Protection Engineering department.

An introduction to enclosure fire dynamics through the development of fire modeling algorithms and the application of computer-based fire modeling techniques. The objectives of the course are: to provide a basic understanding of enclosure fire dynamics with an emphasis on a system-level viewpoint (i.e., a global description of the coupling between combustion dynamics, smoke filling, vent flows and heat transfer); and to provide an introduction to the zone modeling approach. Topics covered include a review of the mathematical formulation of zone models, a discussion of numerical integration of the zone modeling equations (using MATLAB), and an introduction to zone modeling software used by professional engineers (e.g., CFAST).

0101	Stanislav Stoliarov	Seats (Total: 30)
	TuTh 9:30am - 10:45am	EGR 2116

ENFP429 **Independent Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

For students who have definite plans for individual study of approved problems, or study of an advanced topic selected in conjunction with the faculty.

Senior standing. For ENFP majors only.

Contact department for information to register for this course.

ENFP440 **Smoke Management and Fire Alarm Systems**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed with a C- or better or concurrently be enrolled in ENFP300. Restriction: Permission of ENGR-Fire Protection Engineering department. Jointly offered with: ENFP627. Credit only granted for: ENFP440 or ENFP627.

Analysis of hazard posed by smoke in buildings. Performance characteristics of smoke management systems. Review of analytical design aids. Functional analysis and design of fire detection and alerting systems. Examination and evaluation of code criteria, performance specifications and research.

0101	Rosalie Hrybyk, Duane Johnson	Seats (Total: 29)
	TuTh 2:00pm - 3:15pm	JMP 2116

ENFP467 **Wildland Fires: Science and Applications**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENFP312. Restriction: Must be in Engineering: Fire Protection program; and permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP489W, ENFP629W, or ENFP667. Formerly: ENFP489W.

Introduction to the global problem of wildland fires with an overview of the social, political and environmental issues posed as well as detailed coverage of the science, technology and applications used to predict, prevent and suppress wildland fires.

0101	Fernando Raffan Montoya	Seats (Total: 30)
	MW 3:30pm - 4:45pm	AJC 2132

ENFP489 **Special Topics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance to fire protection.

For ENFP majors only.

Contact department for information to register for this course.

ENFP610 **Advanced Special Hazard Suppression Systems**

Credits: 3 Grading Method: Regular, Audit

Jointly offered with: ENFP410. Credit only granted for: ENFP410, ENFP610 or ENFP653.

Issues related to the suppression of fires and the design of fire suppression systems. Theoretical aspects of fire suppression and extinction are considered to provide the foundation for the practical design of different types of fire suppression systems. Focus on water-based and "clean agent" fire suppression systems, with emphasis on high challenge and special hazard applications. Systems using other agents are introduced, but are not addressed in detail.

0101	Donald Hopkins, Mark Hopkins	Seats (Total: 10)
	MW 8:30am - 9:45am	AJC 2121

ENFP619 **Graduate Seminar**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

0101	Arnaud Trouve	Seats (Total: 5)
	Contact instructor or department for details.	

ENFP621 **Analytical Procedures of Structural Fire Protection**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENFP312. Cross-listed with ENFP621. Credit only granted for: ENFP405 or ENFP621.

Analysis procedures for structural components of wood, steel, concrete, composites. Structural capabilities, modifications under fire induced exposures. Calculations, computer models for predicting fire resistance ratings of structural components.

0101	Shuna Ni	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	JMP 2202

ENFP626 **Computational Fire Modeling**

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Prerequisite: ENFP300 and ENFP312. Restriction: Permission of ENGR-Fire Protection Engineering department.

Introduction to Computational Fluid Dynamics (CFD)-based fire modeling; governing equations of turbulent reacting flows; numerical approaches to the treatment of turbulence (DNS, LES, RANS); numerical methods for partial differential equations; physical modeling of enclosure fires (turbulence, combustion, thermal radiation, pyrolysis, suppression). Development of sample programs (Matlab) and use of current CFD-based fire models (FDS).

0101	Arnaud Trouve	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	JMP 2202

ENFP627 **Advanced Smoke Management and Fire Alarm Systems**

Credits: 3

Grading Method: Regular

Prerequisite: ENFP300. Jointly offered with: ENFP440. Credit only granted for: ENFP627 or ENFP440.

Analysis of hazard smoke. Response analysis of smoke detectors based on characteristics of detectors and properties of smoke. Performance characteristics and limitations of smoke management systems. Capabilities and limitations of analytical design aids.

0101	Duane Johnson, Rosalie Hrybyk	Seats (Total: 8)
	TuTh 2:00pm - 3:15pm	JMP 2202
	2408-2701: Extended approval to offer non-standard meeting time - SLB.	

ENFP629 **Selected Topics**

(Perm req)

Credits: 3-6

Grading Method: Regular, Audit

Current research, studies in fire protection engineering. Future trends and significant changes in research, professional areas. The professional standards process.

Contact department for information to register for this course.

ENFP649 **Special Problems**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Advanced topics selected by the faculty from the current literature to suit the special needs and background of students, or for individual students who have definite plans of individual study.

Prerequisite: permission of department.

Contact department for information to register for this course.

ENFP651 **Advanced Fire Dynamics**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENFP312. Jointly offered with: ENFP415. Credit only granted for: ENFP629A, ENFP651 or ENFP415. Formerly: ENFP629A.

A review of the basic chemistry and physics necessary to understanding fire dynamics; and of the physics of heat transfer and turbulent fluid flow will be given. The nature and structure of premixed and diffusion flames will be presented.

0101	Ali Tohidi	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	JMP 2202

ENFP653 **Advanced Fire Suppression**

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP410, ENFP610, or ENFP653.

Issues related to the suppression of fires and the design of fire suppression systems. Theoretical aspects of fire suppression and extinction are considered to provide the foundation for the practical design of different types of fire suppression systems. Focus on water-based and "clean agent" fire suppression systems, with emphasis on high challenge and special hazard applications. Systems using other agents are introduced, but are not addressed in detail.

EF01	Jason Sutula	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ENFP664 **Advanced Industrial Fire Safety**

Credits: 3 Grading Method: Regular, Audit

Jointly offered with ENFP464. Credit only granted for: ENFP489I, ENFP62 9I, ENFP464, or ENFP664. Formerly: ENFP489I and ENFP629I.

This class is designed to introduce students to the basics of process safety with a focus on the methods and techniques that may be utilized when evaluating the existing or proposed safety protection solutions in industrial facilities. An emphasis is placed on properly identifying the hazards that are present, the risk exposure, and how best to address the risk. The foundation is laid by presenting the necessary background information on industrial processes and integrating this information with applicable fire/explosion safety science.

EF01	Noah Ryder	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ENFP667 **Advanced Wildland Fires: Science and Applications**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENFP312. Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP489W, ENFP629W, or ENFP467. Formerly: ENFP629W.

Introduction to the global problem of wildland fires with an overview of the social, political and environmental issues posed as well as detailed coverage of the science, technology and applications used to predict, prevent and suppress wildland fires.

0101	Fernando Raffan Montoya	Seats (Total: 16)
	MW 3:30pm - 4:45pm	AJC 2132

ENFP799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Development and completion of Master's Thesis.

Contact department for information to register for this course.

ENGL English Fall 2025

English as a second language classes are listed under UMEI. For more detailed course descriptions, click here to visit the English department website.

ENGL101 **Academic Writing**

Credits: 3 Grading Method: Regular General Education: FSAW

Additional information: Students must complete this course with a minimum grade of C- in order to fulfill the General Education Fundamental Studies Academic Writing requirement.

An introductory course in expository writing.

Students with a TWSE score below 33 must take ENGL 101A in place of ENGL101. Students for whom English is a second language should consider taking ENGL101X in place of ENGL101.

Click here for more course information.

0001	Shakiba Sharifpour MWF 8:00am - 8:50am	Seats (Total: 19) TWS 1313
0101	Kerishma Panigrahi MWF 9:00am - 9:50am	Seats (Total: 19) KEY 0120
0102	Funmilola Fadairo MWF 9:00am - 9:50am	Seats (Total: 19) TWS 1321
0103	Liam Daley MWF 9:00am - 9:50am	Seats (Total: 19) KEY 0124
0108	Alan Montroso MWF 9:00am - 9:50am	Seats (Total: 19) TWS 3136
0201	Alan Montroso MWF 10:00am - 10:50am	Seats (Total: 19) TWS 1313
0202	William Pittman MWF 10:00am - 10:50am	Seats (Total: 19) TWS 1321
0205	John Tobin MWF 10:00am - 10:50am	Seats (Total: 19) TWS 1320
0207	Nahid Ahmadian MWF 10:00am - 10:50am	Seats (Total: 19) TWS 0230
0208	Chase Redd MWF 10:00am - 10:50am	Seats (Total: 19) KEY 0124
0303	William Pittman MWF 11:00am - 11:50am	Seats (Total: 19) TWS 1321
0304	Dylan Carpenter MWF 11:00am - 11:50am	Seats (Total: 19) KEY 0121

0305	Liam Daley MWF 11:00am - 11:50am	Seats (Total: 19) TWS 3134
0306	Catherine Byrne MWF 11:00am - 11:50am	Seats (Total: 19) KEY 0119
0307	Brielle Gorrell MWF 11:00am - 11:50am	Seats (Total: 19) LEF 1221
0402	Liam Daley MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 3132
0403	Catherine Byrne MWF 12:00pm - 12:50pm	Seats (Total: 19) KEY 0123
0404	Nahid Ahmadian MWF 12:00pm - 12:50pm	Seats (Total: 19) KEY 0124
0405	John Tobin MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 3252
0406	Andrew Howard MWF 12:00pm - 12:50pm	Seats (Total: 19) KEY 0121
0502	Cameron Orefice MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 3132
0503	Taina Patmore MWF 1:00pm - 1:50pm	Seats (Total: 19) KEY 0119
0504	Nahid Ahmadian MWF 1:00pm - 1:50pm	Seats (Total: 19) KEY 0123
0505	Catherine Byrne MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 1321
0508	Abhinav Bhardwaj MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 1313
0602	Tyra Griffin MWF 2:00pm - 2:50pm	Seats (Total: 19) TWS 1105

0603	John Tobin MWF 2:00pm - 2:50pm	Seats (Total: 19) TWS 3134
0604	Sabrina Islam MWF 2:00pm - 2:50pm	Seats (Total: 19) TWS 3136
0605	Shannon Neal MWF 2:00pm - 2:50pm	Seats (Total: 19) TWS 1313
0606	Kara Pleasants MWF 2:00pm - 2:50pm	Seats (Total: 19) CHE 2140
1001	Kayla Hare TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 3250
1101	John Macintosh TuTh 9:30am - 10:45am	Seats (Total: 19) WDS 1102
1102	Natalie McGartland TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 1320
1103	Peter Grybauskas TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 3134
1104	Porter Olsen TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 3136
1107	Eric Baker TuTh 9:30am - 10:45am	Seats (Total: 19) JMZ 2120
1109	Stephanie Allen TuTh 9:30am - 10:45am	Seats (Total: 19) KEY 0120
1203	Peter Grybauskas TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 3134
1204	John Macintosh TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 3252
1205	Stephanie Allen TuTh 11:00am - 12:15pm	Seats (Total: 19) KEY 0120

1206	Arielle Heiman TuTh 11:00am - 12:15pm	Seats (Total: 19) ASY 3217
1207	Leela Chantrelle TuTh 11:00am - 12:15pm	Seats (Total: 19) ASY 3219
1210	Tunahan Cakmakci TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 3250
1301	Eric Baker TuTh 12:30pm - 1:45pm	Seats (Total: 19) KEY 0123
1302	John Macintosh TuTh 12:30pm - 1:45pm	Seats (Total: 19) LEF 1171
1303	Peter Grybauskas TuTh 12:30pm - 1:45pm	Seats (Total: 19) TWS 3136
1304	Rachel Cote TuTh 12:30pm - 1:45pm	Seats (Total: 19) KEY 0119
1307	Heather McHale TuTh 12:30pm - 1:45pm *Restricted to students in Institute of Applied Agriculture.*	Seats (Total: 19) SYM 3121
1308	Olubukola Salako TuTh 12:30pm - 1:45pm	Seats (Total: 19) TWS 3252
1401	Peter Grybauskas TuTh 2:00pm - 3:15pm	Seats (Total: 19) TWS 3136
1402	Olubukola Salako TuTh 2:00pm - 3:15pm	Seats (Total: 19) ASY 3221
1403	Anne Bolgiano TuTh 2:00pm - 3:15pm	Seats (Total: 19) KEY 0121
1404	Hannah (Toyin) Adeyemi TuTh 2:00pm - 3:15pm	Seats (Total: 19) KNI 1103

1405	Porter Olsen TuTh 2:00pm - 3:15pm	Seats (Total: 19) ASY 3219
9001	Erica Cochran Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 19) KEY 0123 ONLINE
9002	Robert Lucci Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) KEY 0121 ONLINE
9003	Xiaofang Huang Th 9:30am - 10:45am Tu 9:30am - 10:45am	Seats (Total: 19) KEY 0123 ONLINE
9004	Xiaofang Huang Th 11:00am - 12:15pm Tu 11:00am - 12:15pm	Seats (Total: 19) KEY 0121 ONLINE
9005	Catherine Bayly MF 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 19) KEY 0120 ONLINE
9006	Yvonne Roe MF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 19) KEY 0120 ONLINE
9007	Mike Kolakoski MF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 19) KEY 0120 ONLINE
9008	Mike Kolakoski MF 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 19) KEY 0120 ONLINE
9009	David Brookshire MW 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 19) ASY 3221 ONLINE

9010	David Brookshire MW 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 19) ASY 3221 ONLINE
9011	David Brookshire MW 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 19) ASY 3221 ONLINE
9012	David Brookshire MW 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 19) ASY 3221 ONLINE
9013	Robert Lucci Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) KEY 0123 ONLINE
9014	Radford Skudrna Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) KEY 0123 ONLINE
9015	Robert Lucci Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) KEY 0120 ONLINE
9016	Radford Skudrna Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) KEY 0120 ONLINE
9017	Aubrey Zinn Th 2:00pm - 3:15pm Tu 2:00pm - 3:15pm	Seats (Total: 19) KEY 0123 ONLINE
9018	Brandee Pettus Th 11:00am - 12:15pm Tu 11:00am - 12:15pm	Seats (Total: 19) KEY 0123 ONLINE
9019	Nia Crawford Th 12:30pm - 1:45pm Tu 12:30pm - 1:45pm	Seats (Total: 19) KEY 0120 ONLINE

9020	Nia Crawford Th 2:00pm - 3:15pm Tu 2:00pm - 3:15pm	Seats (Total: 19) KEY 0120 ONLINE
9021	Radford Skudrna Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) KEY 0124 ONLINE
9022	Susan Pramschufer Th 12:30pm - 1:45pm Tu 12:30pm - 1:45pm	Seats (Total: 19) KEY 0124 ONLINE
9023	Yvonne Roe MF 2:00pm - 2:50pm Class time/details on ELMs	Seats (Total: 19) ASY 3217 ONLINE
9024	Radford Skudrna Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 19) KEY 0119 ONLINE
9025	Xiaofang Huang Th 5:00pm - 6:15pm Tu 5:00pm - 6:15pm	Seats (Total: 19) KEY 0119 ONLINE
9026	Mike Kolakoski MF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 19) KEY 0123 ONLINE
9028	Erica Cochran Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) KEY 0119 ONLINE
9029	Erica Cochran Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) KEY 0119 ONLINE
9030	Catherine Bayly MF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 19) CCC 1115 ONLINE

FC01	Paul Cote MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0121
FC02	Paul Cote MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0121
FC03	Nahid Ahmadian MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0124
FC04	Daniel Sidman MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0119
FC05	Edward Daschle MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0123
FC06	Sydney Sharpstene MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0120
FC07	Andrew Delfino MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0123
FC08	John Macintosh TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0123
FC09	Anthony Batts TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0121
FC10	Eric Baker TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0121

FC11	Anne Bolgiano TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0120
FC12	Edward Daschle MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0124
FC13	Anne Bolgiano TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0120
FC14	Eric Baker TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0119
FC15	Anthony Batts TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0123
FC16	Edward Daschle TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0124
FC17	Hannah (Toyin) Adeyemi TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0121
FC18	Porter Olsen TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0120
FC19	Nia Crawford MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0120
FC20	Sydney Sharpstene MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0120

FC21	Sabrina Islam MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0123
FC22	Anne Bolgiano TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0102
FC23	Sabrina Islam MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0123
FC24	Hannah (Toyin) Adeyemi TuTh 6:00pm - 7:15pm *Restricted to Freshmen Connection Students.*	Seats (Total: 19) KEY 0124
FC25	Sydney Sharpstene MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0124
FC26	Daniel Sidman MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0119
FC27	Nia Crawford MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KEY 0121

ENGL101A **Academic Writing**

Credits: 3 Grading Method: Regular General Education: FSAW

Additional information: Students must complete this course with a minimum grade of C- in order to fulfill the General Education Fundamental Studies Academic Writing requirement.

An introductory course in expository writing.

Students should take ENGL 101A rather than ENGL 101 if their TWSE score (a subscore of the SAT verbal) is 33 or below.

1702	Thomas Earles TuTh 9:30am - 10:45am	Seats (Total: 15) KEY 0117

1703	Dylan Carpenter MWF 12:00pm - 12:50pm	Seats (Total: 15) KEY 0119

ENGL101H **Academic Writing**

Credits: 3 Grading Method: Regular General Education: FSAW

Additional information: Students must complete this course with a minimum grade of C- in order to fulfill the General Education Fundamental Studies Academic Writing requirement.

An introductory course in expository writing.

For general honors students or students with a verbal SAT of 600 or better.

0109	Katherine Joshi MWF 9:00am - 9:50am	Seats (Total: 19) TWS 3134
0210	Katherine Joshi MWF 10:00am - 10:50am	Seats (Total: 19) TWS 3136
0310	Kara Pleasants MWF 11:00am - 11:50am	Seats (Total: 19) JMP 2202
0407	Katherine Joshi MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 3134
0507	Katherine Joshi MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 3250
1001	Andrew Howard TuTh 8:00am - 9:15am	Seats (Total: 19) ASY 3221
1107	Andrew Howard TuTh 9:30am - 10:45am	Seats (Total: 19) ASY 3221

ENGL101S **Academic Writing**

Credits: 3 Grading Method: Regular General Education: FSAW

Additional information: Students must complete this course with a minimum grade of C- in order to fulfill the General Education Fundamental Studies Academic Writing requirement.

An introductory course in expository writing.

This course is restricted to College Park Scholars.

0110	Tom Hatcher MWF 9:00am - 9:50am	Seats (Total: 19) CCC 1105
0211	Tom Hatcher MWF 10:00am - 10:50am	Seats (Total: 19) CCC 1105
0212	Kara Pleasants MWF 10:00am - 10:50am	Seats (Total: 19) CCC 1115
0311	Joshua Weiss MWF 11:00am - 11:50am	Seats (Total: 19) CCC 1105
0312	Tom Hatcher MWF 11:00am - 11:50am	Seats (Total: 19) CCC 1115
0410	Kara Pleasants MWF 12:00pm - 12:50pm	Seats (Total: 19) CCC 1105
0509	Kara Pleasants MWF 1:00pm - 1:50pm	Seats (Total: 19) CCC 1105
0607	Joshua Weiss MWF 2:00pm - 2:50pm	Seats (Total: 19) CCC 1105
1108	Lara Payne TuTh 9:30am - 10:45am	Seats (Total: 19) CCC 1105
1209	Lara Payne TuTh 11:00am - 12:15pm	Seats (Total: 19) CCC 1105
1210	Anthony Batts TuTh 11:00am - 12:15pm	Seats (Total: 19) CCC 1115
1308	Anthony Batts TuTh 12:30pm - 1:45pm	Seats (Total: 19) CCC 1115
1401	Anthony Batts TuTh 2:00pm - 3:15pm	Seats (Total: 19) CCC 1105

9002	Catherine Bayly MF 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 19) CCC 1115 ONLINE	

ENGL101X **Academic Writing**

Credits: 3 Grading Method: Regular General Education: FSAW

Additional information: Students must complete this course with a minimum grade of C- in order to fulfill the General Education Fundamental Studies Academic Writing requirement.

An introductory course in expository writing.

Limited to students for whom English is a second language. The following are indications that a student should register for English 101X: 1) an iBT TOEFL score of 100 overall, with a writing section score of at least 24; 2) an IELTS score of 7.0 overall, with a writing score of at least 7.0; 3) satisfactory completion of UMEI 005: Advanced English as a Foreign Language.

2002	Laura Williams TuTh 9:30am - 10:45am	Seats (Total: 18) ASY 3219	
2003	Laura Williams TuTh 12:30pm - 1:45pm	Seats (Total: 18) TWS 3134	
2005	Janet Shim MWF 12:00pm - 12:50pm	Seats (Total: 18) TWS 3250	
2007	Janet Shim MWF 11:00am - 11:50am	Seats (Total: 18) TWS 3250	

ENGL120 **Acting Human: Shakespeare and the Drama of Identity**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, SCIS

Shakespeare's ideas of dramatic realism studied through close examination of literary and dramatic techniques. How Shakespeare generates the fiction of a living, thinking person in the space of five acts, and how readers participate in the making of that fiction. Some attention to Shakespeare on film and what the playwright can teach us about different media.

0101	Gerard Passannante MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 24) BPS 1243 TWS 0234	 Discussion
0102	Gerard Passannante MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 24) BPS 1243 TWS 0234	 Discussion

0103	Gerard Passannante MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 24) BPS 1243 TWS 0221	Discussion
0104	Gerard Passannante MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 24) BPS 1243 TWS 0221	Discussion

ENGL126 Why Fiction Matters

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DSSP, SCIS

Consider how short stories, novellas, and novels are vital to understanding our world and ourselves. Read and analyze a diverse range of twentieth- and twenty-first-century fiction, and apply the techniques of form and craft to your own experiments in fiction writing. Use critical analysis and hands-on creative experimentation to explore how fiction helps us understand the past, engage in the present, and build a better future.

0101	Emily Mitchell MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 24) BPS 1250 TWS 1106	Discussion
0102	Emily Mitchell MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 24) BPS 1250 TWS 1106	Discussion
0103	Emily Mitchell MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 24) BPS 1250 TWS 1106	Discussion
0104	Emily Mitchell MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 24) BPS 1250 TWS 1106	Discussion
0105	Emily Mitchell MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 24) BPS 1250 TWS 1106	Discussion
0106	Emily Mitchell MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 24) BPS 1250 TWS 1106	Discussion

ENGL134 The Rites of Discovery: Science, Law, and Literature, 1492-1992

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHU, DVUP, SCIS

History of idea of "discovery" from sixteenth-century debate about European "rights of discovery" to 500th anniversary, in 1992, of Columbus' landfall in New World. Evolution of modern concept of discovery, both as part of history of science and in legal context of history of European colonialism and cultural encounter with Native peoples of Americas, Africa, and Asia. Exploration of primary and secondary sources relating to international law, science, and literature.

0101	Ralph Bauer MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 24) TWS 1100 TWS 0221	Discussion
0102	Ralph Bauer MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 TWS 0221	Discussion
0103	Ralph Bauer MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 24) TWS 1100 TWS 0214	Discussion
0104	Ralph Bauer MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 24) TWS 1100 TWS 1320	Discussion

ENGL143 Visualizing Knowledge: From Data to Images

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, SCIS

Explores how technology and people shape our current age of information through the various forms of visually representing information. Visualizations do not show us things that are evident--visualizations make things evident. We will thus examine the history of visualization practices, the theories of image-making that guide their production, and the current state of the art. Students will engage critically with a wide range of information visualization practices to gain an understanding of the work involved in producing them and their histories. Students will also seek out contemporary visualizations, interact with the practitioners who produce them, and produce their own visualization as a response or critique.

0101	Oliver Gaycken MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 24) TWS 0320 TWS 0201	Discussion
0102	Oliver Gaycken MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 24) TWS 0320 TWS 0205	Discussion

0103	Oliver Gaycken MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 24) TWS 0320 TWS 0201	 Discussion
0104	Oliver Gaycken MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 24) TWS 0320 TWS 0201	 Discussion

ENGL154 **Race, Children's Television, and the Legacies of Jim Henson**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP, SCIS

Credit only granted for: ENGL154 or ENGL439J. Formerly: ENGL439J.

How do children form ideas about race from television? We will approach this question by studying representations of race in children's television from the founding of the animation industry in the 1910s to educational programming epitomized by Sesame Street and the work of Jim Henson. We will also explore representations of race in the "Saturday Morning Cartoon Lineup" and in the subsequent proliferation of computer-generated images, gifs, and memes. Students will visit archives on campus pertaining to Jim Henson's work and reflect on what they find. Assignments will include a paper focused on critical analysis and self-reflection, and students will have the option of completing a multimedia project featuring video production, puppet making, or another creative means of producing a lesson for children.

0101	Chad Infante MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) TWS 1100 ASY 3221	 Discussion
0102	Chad Infante MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) TWS 1100 ASY 3221	 Discussion
0103	Chad Infante MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 24) TWS 1100 ASY 3221	 Discussion
0104	Chad Infante MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 24) TWS 1100 ASY 3221	 Discussion

ENGL201 **The Medieval Imagination**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

How and why do the Middle Ages resonate with us now? Explore a wide range of narratives, poems, artworks, and songs from ancient, medieval, and Renaissance cultures. Study popular culture, manuscript and print technologies, and the relationship between the sacred and the profane over a millenium. Learn about modern and contemporary medievalist revivals that might include authors such as J.R.R. Tolkien and N.K. Jemisin, television series such as Game of Thrones, and more.

0201	Kellie Robertson	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TWS 1106

ENGL222 **American Literature(s)**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HL	General Education: DSHU

Explore American literary traditions in a variety of poetic and narrative forms and in diverse historical contexts, ranging from colonization to the Civil Rights Movement and beyond. Genres examined in this course might include lyric poems, travel narratives, gothic short fiction, slave narratives, and science fiction. Emphasis on developing skills of literary interpretation and critical writing, while attending to the place of race, class, gender, and sexuality in American literary culture. Authors may include Phillis Wheatley, Herman Melville, Walt Whitman, Emily Dickinson, Frederick Douglass, Gertrude Stein, F. Scott Fitzgerald, James Baldwin, and Toni Morrison, among others.

0301	Declan Langton	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TWS 0214

ENGL234 **African-American Literature and Culture**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HL, D	General Education: DSHU, DVUP

Cross-listed with: AAAS234. Credit only granted for: ENGL234, AAAS234 or AASP298L.

An exploration of the stories black authors tell about themselves, their communities, and the nation as informed by time and place, gender, sexuality, and class. African American perspective themes such as art, childhood, sexuality, marriage, alienation and mortality, as well as representations of slavery, Reconstruction, racial violence and the Nadir, legalized racism and segregation, black patriotism and black ex-patriots, the optimism of integration, and the prospects of a post-racial America.

0201	Tyra Griffin	Seats (Total: 30)
	MWF 12:00pm - 12:50pm	TWS 0234

ENGL235 **U.S. Latinx Literature and Culture**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HL, D	General Education: DSHU, DVUP

Cross-listed with: AMST298Q. Credit only granted for: ENGL235 or AMST298Q.

Examines the poetry, prose, and theater of Latinx communities in the United States from their origins in the Spanish colonization of North America to their ongoing development in the 21st century. Considers how authors use literary form to gain insight into human experience, including mortality, religious belief, gender and sexuality, war and peace, family, language use, scientific inquiry, cultural tradition, ecology, and labor. Also studies how Latinx literary traditions have shaped and been shaped by broader currents in American literature, as well as what connections exist between Latinx literature and social and artistic developments in other parts of the world, particularly Latin America and the Caribbean. Authors may include Alvar Nunez Cabeza de Vaca, Eulalia Perez, Juan Nepomuceno Seguin, Maria Amparo Ruiz de Burton, Jose Marti, Arthur A. Schomburg, Jesus Colon, Julia de Burgos, Cesar Chavez, Ariel Dorfman, Gloria Anzaldua, Junot Diaz, and Cristina Garcia.

0101	Lindsay Bernal	Seats (Total: 30)
	MW 5:00pm - 6:15pm	TWS 0221

ENGL243 **What is Poetry?**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

An exploration of arguably the most complex, profound, and ubiquitous expression of human experience. Study through close reading of significant forms and conventions of Western poetic tradition. Poetry's roots in oral and folk traditions and connections to popular song forms.

0201	Aaron Bartlett	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TWS 0221

ENGL244 **Drama, Performance, and Spectacle**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Exploration of drama through a consideration of plot, narrative flow, analytical flow, staging, performance, manuscript and printing history, text and textual change over time, and interpretation. Plays will be approached as public attempts to understand what it means to be alive.

0101	Michael Olmert	Seats (Total: 30)
	M 3:30pm - 6:00pm	TWS 1320

ENGL245 **Film Form and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU

Cross-listed with: CINE245. Credit only granted for: ENGL245, CINE245 or FILM245. Formerly: FILM245.

Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

0101	Oliver Gaycken MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) TWS 0320 ASY 3219	Discussion
0102	Oliver Gaycken MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 22) TWS 0320 TWS 0214	Discussion
0103	Oliver Gaycken MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) TWS 0320 ASY 3219	Discussion
0104	Oliver Gaycken MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 22) TWS 0320 ASY 3219	Discussion
FC01	Porter Olsen M 6:00pm - 7:15pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 30) KEY 0121 ONLINE	

ENGL250 **Reading Women Writing**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Cross-listed with: WGSS255. Credit only granted for: ENGL250, WMST255 or WGSS255. Formerly: WMST255.

Explores literary and cultural expressions by women and their receptions within a range of historical periods and genres. Topics such as what does a woman need in order to write, what role does gender play in the production, consumption, and interpretation of texts, and to what extent do women comprise a distinct literary subculture. Interpretation of texts will be guided by feminist and gender theory, ways of reading that have emerged as important to literary studies over the last four decades.

0101	Danuta Hinc-Powell TuTh 9:30am - 10:45am	Seats (Total: 30) ASY 3211	

ENGL251 **Detective Fiction**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Explore "whodunnit" fiction from its nineteenth-century beginnings to the contemporary moment. Why are readers intrigued by the methodical discovery of the exact circumstances of a mysterious event? How does the figure of the eccentric, intelligent, often unofficial investigator take prominence? How does detective fiction emerge from and react to global imperialism, the modern metropolis, forensic science, and the modern legal system? How does the genre represent and respond to gender, class, and racial inequities? Texts may range from the works of Edgar Allan Poe and Arthur Conan Doyle, to the "Golden Age of Detective Fiction" in the 1920s and 30s by writers such as Agatha Christie, to late-twentieth century and contemporary novelists such as Chester Himes, P.D. James, and Mia P. Manansala, to film and television adaptations such as Enola Holmes, See How They Run, and Kenneth Branagh's Hercule Poirot films.

0101	Tita Chico	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TWS 0214

ENGL255 **Literature, Science, and Technology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Consider the relationship between fiction and science. How does science as we know it depend on certain fictions or narratives? How do we come to know science through the fictions we encounter? How do literary works represent the ethics of science and technology? What role does science play in the oppression of peoples? What alternative, more liberatory ways of using science are possible?

0101	Caroline Wilkins	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TWS 1320

ENGL256 **Fantasy Literature**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

How fantasy employs alternate forms of representation, such as the fantastical, estranging, or impossible, which other genres would not allow. Through novels, short stories, graphic novels, and film, traces fantasy's roots in mythology and folklore, then explores how modern texts build upon or challenge these origins. Examination of literary strategies texts use to represent the world through speculative modes. How to distinguish fantasy from, and relate it to, other genres such as horror, fairly tales, and magical realism. Fantasy's investment in world-building, history, tradition, and categories of identity such as race, class, and gender. How fantasy, as a genre, form, and world-view, is well-suited to our contemporary reality.

0101	Christopher Crane	Seats (Total: 30)
	MWF 12:00pm - 12:50pm	TWS 0221

ENGL257 **Children's Literature**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Literature of the nineteenth through the twenty-first century concerned with, and written for, children and young adults. How such narratives speak to themes of changing social, religious, political, and personal identity. Through poetry, novels, graphic novels, and film, explores how children's tales encapsulate and reflect on human existence, while pushing boundaries of what constitutes "children's literature" and what exactly defines the "child." Considers questions of literary classification through investigation of political and religious issues, gender politics, animal rights, social justice, race, war, and what it means to "grow up."

0101	Shannon Zellars Strohl MW 3:30pm - 4:45pm	Seats (Total: 30) TWS 0214
FC01	Sydney Sharpstene MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) KEY 0100

ENGL262 **Introduction to the Hebrew Bible/Old Testament**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HL	General Education: DSHU

Cross-listed with: JWST262, HEBR298B. Credit only granted for: JWST262, HEBR298B, or ENGL262.

Origins of the Hebrew Bible (Old Testament), with attention to literary formations, archaeology, and social-political settings. Explorations of major questions, including who wrote the Bible, and when; relationships of the biblical tradition to the mythology and religious structures of ancient Israel's near eastern neighbors; and dynamics of politics, religious leadership, and law.

0101	Stephanie Cooper TuTh 12:30pm - 1:45pm	Seats (Total: 25) TYD 1132

ENGL265 **LGBTQ+ Literatures and Media**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HL, D	General Education: DSHU, DVUP

Restriction: Must not have completed LGBT265. Cross-listed with: LGBT265. Credit only granted for: ENGL265 or LGBT265.

A study of literary and cultural expressions of queer and trans identities, positionalities, and analytics through an exploration of literature, art, and media. We will examine historical and political power relations by considering the intersections of sexuality and gender with race, class, nation, and disability. Topics include the social construction and regulation of sexuality and gender, performance and performativity, intersectionality, and the relationship between aesthetic forms and queer/ trans subjectivity. Our interpretations will be informed by queer and trans theories.

0101	Timmy Bridgeman TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 0221

0201	James Goodwin TuTh 2:00pm - 3:15pm	Seats (Total: 30) HBK 1108

ENGL269A **Special Topics in Study Abroad II; German Romanticism in its European Context**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL269B **Special Topics in Study Abroad II; Writing Workshop I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL269C **Special Topics in Study Abroad II; Writing Workshop II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL269R **Special Topics in Study Abroad II; Writing Rome**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL271 **Writing Poems and Stories: An Introductory Workshop**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSSP

Introduction to theory and practice of writing fiction and poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	January Santoso TuTh 11:00am - 12:15pm	Seats (Total: 15) KEY 0124
0102	January Santoso TuTh 11:00am - 12:15pm *Restricted to students in Jimenez-Porter Writers' House.*	Seats (Total: 5) KEY 0124

0201	January Santoso MW 2:00pm - 3:15pm	Seats (Total: 20) KEY 0119
0301	Victoria Chan TuTh 9:30am - 10:45am	Seats (Total: 20) SQH 1105
0401	Tom Hatcher MWF 12:00pm - 12:50pm	Seats (Total: 20) CHE 2140

ENGL272 Writing Fiction: An Introductory Workshop

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSSP

Introduction to theory and practice of writing fiction. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Arielle Heiman TuTh 9:30am - 10:45am	Seats (Total: 20) KEY 0119
0201	Taina Patmore MW 2:00pm - 3:15pm	Seats (Total: 20) KEY 0120
0301	Lara Payne TuTh 8:00am - 9:15am	Seats (Total: 20) KEY 0121
0401	Rachel Waugh TuTh 9:30am - 10:45am	Seats (Total: 20) KEY 0121

ENGL273 Writing Poetry: An Introductory Workshop

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSSP

Introduction to theory and practice of writing poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Sara Lieto MWF 11:00am - 11:50am	Seats (Total: 20) KEY 0124
0201	Imani West TuTh 9:30am - 10:45am	Seats (Total: 20) KEY 0124

ENGL275 Writing for the Stage and Screen: An Introductory Workshop

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHU, DSSP

Cross-listed with: ARHU275. Credit only granted for: ENGL275 or ARHU275.

Introduction to the theory and practice of scriptwriting with an opportunity to read, view, evaluate, write, and revise texts meant to be performed. Students will practice writing for the stage, film, and television and also examine selected scripts, performances, and film and television clips as models for their own creative work. Students will complete frequent writing exercises, participate in workshops, and learn to apply scholarship to the analysis and critique of scripts.

Cross-listed with ARHU275.

0101	Jay Wilcox MWF 9:00am - 9:50am	Seats (Total: 15) KEY 0123
0102	Jay Wilcox MWF 9:00am - 9:50am *Restricted to students in the Jimenez-Porter Writers' House.*	Seats (Total: 5) KEY 0123
0201	Paul Cote MWF 10:00am - 10:50am	Seats (Total: 20) KEY 0123

ENGL278B **Special Topics in Literature; German Romanticism in its European Context**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ENGL278N **Special Topics in Literature; The Romantic Experience in Europe**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ENGL278O **Special Topics in Literature; German Romanticism in its European Context**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ENGL289I **Gender and Science in Film and Media**

Credits: 3 | Grading Method: Regular, Pass-Fail | CORE: HL | General Education: DSHU, DVUP

Cross-listed with: WGSS280. Credit only granted for: ENGL289I or WGSS280.

Isaac Azimov once said of science fiction that it is the genre that "deals with the reaction of human beings to changes in science and technology." With this definition in mind, we will embark on a critical exploration of sci-fi film and other media, using it as a lens for analyzing society's deepest fears and most furtive hopes. Our investigation will center on the liminal space between hegemonic culture and its prescribed excesses. These liminal spaces--between self and other, disability and enhancement, cultural hybridization, and gender crossing--shift in response to real-world sociopolitical tensions. We will consider feminist and anti-racist media scholars' concerns over representation, authorship and ideology alongside questions of technological change. Students will use analytical and creative assignments to explore not only how the scientific imaginary serves as fertile ground for feminist, disability, and anti-racist critique, but also provides a locus for alternative futures.

0101	Jessica Mathiason MW 4:00pm - 4:50pm Class time/details on ELMs	Seats (Total: 25) SQH 1117 ONLINE	 Discussion
0102	Jessica Mathiason MW 4:00pm - 4:50pm Class time/details on ELMs	Seats (Total: 25) SQH 1117 ONLINE	 Discussion

ENGL289L **Special Topics in English; The 'Jew' in American Literature and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail

Introduces students to notable themes and approaches in English studies. Topics vary by section and semester.

Cross listed with CINE299L and JWST219L. Credit only granted for JWST219L or ENGL289L or CINE299L. An exploration of the role played by literature in the development of American Jewish ethnic identity. Primary materials include essays, poetry, plays, short stories, novels, films and music.

0101	Eric Zakim TuTh 2:00pm - 3:15pm	Seats (Total: 30) KEY 0103

ENGL290 **Introduction to Digital Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, DSSP

Introductory course in digital studies. Surveys contemporary humanities work in digital technologies, including the web and social media and their historical antecedents. Explores design and making as analytical tools alongside reading and writing. Situates digital media within power and politics and develops critical awareness of how media shape society and ethics. Interdisciplinary approaches to creativity, analysis, and technology. While the course will include hands-on practice, no prior experience of programming, designing, or making required other than a willingness to experiment and play.

0101	Spenser Feller	Seats (Total: 20)
	TuTh 5:00pm - 6:15pm	TWS 1313

ENGL291 **Writing, Revising, Persuading**

Credits: 3 | Grading Method: Regular | General Education: DSHU, DSSP

Prerequisite: Must have satisfied Fundamental Studies Academic Writing requirement.

Intermediate-level, writing-intensive course for students who have successfully satisfied the Fundamental Studies Academic Writing requirement but wish to hone skills in analyzing and producing rhetorically attuned, well-styled prose. Deeper study of rhetorical theory and its application to a wide variety of arguments and situations. Additional writing practice, techniques of revision, study of effect of stylistic choices. Topics may include argumentation theory, visual rhetoric, stylistic theory, and writing theory.

0101	Sydney Sharpstene	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	TWS 1320

ENGL293 **Digital Writing and Content Creation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU, DSSP

Recommended: ENGL101.

A hands-on exploration of rhetoric, technology, and digital expression. Study a variety of digital writing and content creation platforms, and learn about theories and practices in digital communication. Learn to analyze and create the kinds of multimodal documents (websites, podcasts, videos) that constitute communication in a digital world.

0101	Rexanah Wyse Morrissette	Seats (Total: 22)
	MWF 2:00pm - 2:50pm	KEY 0123

ENGL294 **Persuasion through Social Media**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHU, DSSP

Recommended: Fundamental Studies Academic Writing requirement.

Why are influencers canceled? What role does social media play in the spread of (mis)information? What is possible through social media activism? How does advertising work in online spaces? How do people use social media to discover and craft identity? What role do social media play in user wellbeing? Explore questions like these using ideas from rhetoric to develop critical awareness about power, ideology, and digital content. Learn to create effective, ethical social media content. Become a more informed reader and writer on social media across public, personal, and professional contexts.

0101	Kerishma Panigrahi	Seats (Total: 20)
	MWF 2:00pm - 2:50pm	JMZ 0208

ENGL295 **Introduction to Digital Storytelling and Poetics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU, DSSP

What is the thread weaving through an animated visualization of economic data in a popular newspaper, an indie text-based videogame, a saucy twitter bot spitting out haikus, and an interactive digital essay? Storytelling--using whatever is at hand to communicate with audiences in evocative and connected ways. Combining technical and textual analysis with their own experiments in digital composition, students will learn to use new media techniques for the interpretation, creation, and dissemination of both critical and imaginative writing. From branching narratives to hypertext media and video games, to more recent developments in machine-generated poetry, XR, and embodied and location-based narrative, the methods and materials in this introductory course link creative expression and analysis of texts to contemporary conversations about social difference, representation, interface, and computation.

0101	Lyra Hilliard	Seats (Total: 25)
	W 3:30pm - 6:00pm	TWS 1106

ENGL296 **Reading and Writing Disability: Rights and Representation**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHU, DVUP

Locate and analyze disability in various settings, modes, and texts. Investigate the material and cultural effects of the language, stories, and myths of disability. Explore the many definitions and frameworks of disability: as dynamic lived experiences, as a political identity, as a rich culture, as socially constructed barriers, and as an oppressed minority group. Examine how disability is portrayed, controlled, stereotyped, and celebrated across social, medical, political, cultural, and personal networks.

0101	Alan Montroso	Seats (Total: 20)
	MWF 11:00am - 11:50am	EDU 3236

ENGL297 **Research and Writing in the Workplace**

Credits: 3 | Grading Method: Regular | General Education: DSSP

Prerequisite: ENGL101.

Introduction to the rhetorical principles and professional practices of professional writing, particularly the research, writing, communication, analytical, and technological skills needed for the Professional Writing minor. How culture and technology relate to the work of professional writing; design principles and rhetorical moves; digital tools, research skills, and writing strategies of professional writers. Develops skills needed to publish a writing portfolio that showcases students' professional writing competencies and projects their professional writer identities.

0101	Catherine Byrne MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 0232
0201	Elizabeth Chang TuTh 2:00pm - 3:15pm	Seats (Total: 22) TWS 0230

ENGL301 **This is English: Fields and Methods**

Credits: 3 Grading Method: Regular

Restriction: Must be in English Language and Literature program; or must be in Secondary Educ: English Language Arts program.

"English" means a lot of things. Are you looking for literature, or linguistics? For writing--creative, critical, or professional? For theater, or debate? For film, or even videogames? This gateway course for the English major introduces you to all of these areas and more, as well as to our discipline's unique resources for studying and enjoying them. The English discipline includes three main interpretive fields: Literary and Cultural Studies; Language, Writing, and Rhetoric; and Media Studies. This course brings together the fundamental concepts and methods for reading, viewing, and researching practiced in these fields, launching you into English studies and and helping you to choose the major track that is right for you.

0101	Scott Trudell TuTh 11:00am - 12:15pm	Seats (Total: 15) TWS 3132
0201	Sara Wilder MW 2:00pm - 3:15pm	Seats (Total: 15) TWS 3132
0301	Christina Walter TuTh 3:30pm - 4:45pm	Seats (Total: 15) TWS 1321
0401	Ralph Bauer MW 3:30pm - 4:45pm	Seats (Total: 15) TWS 3132

ENGL302 **Medieval Literature in Translation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Surveys major works of English and continental Middle Ages. Readings may include romance, lyric and drama, Germanic epic, works of Dante, Chretien de Troyes, Jean de Meun, Christine de Pisan, Malory, English and continental mystics.

0101	Liam Daley TuTh 12:30pm - 1:45pm	Seats (Total: 25) TWS 0214

ENGL305 **Early Drama**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Explore medieval and Renaissance drama and performance, placing the Shakespearean stage in its cultural and historical contexts.

Contact department for information to register for this course.

ENGL308G **Special Topics in Shakespeare; Shakespeare and Appropriation**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A topical exploration of William Shakespeare's plays and poems as well as their cultural contexts, performance history, and the roles they play in modern and contemporary culture.

0101	Scott Trudell	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	TWS 1320

ENGL312 **Romantic to Modern British Literature and Culture**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Explore 19th- and 20th-century British and Anglophone literary cultures, including Romanticism, Victorianism, and Modernism. We will read poetry, prose, and drama by authors such as Mary and Percy Shelley to Austen, Dickens, Eliot, Tagore, and Woolf. Learn about the history of empire and resistance, the industrial revolution, capitalism, communism, feminism, race, and new forms of literary and artistic creation.

0101	Brian Richardson	Seats (Total: 25)
	MW 2:00pm - 3:15pm	TWS 0221

ENGL313 **American Literature**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A detailed study of selected major texts of American literature from the 17th century to the 20th century. Issues such as race, gender, and regionalism. Authors such as Franklin, Hawthorne, Dickinson, Hemingway, and Morrison.

Contact department for information to register for this course.

ENGL319C **Special Topics in Science, Literature, and Media; From Frankenstein to Dracula: the Monstrous and Fantastic in Nineteenth-Century Literature**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A topical investigation of the ways that science, art, and technology provoke ideas and innovation across their disciplinary boundaries within specific historical moments and locations.

0101	Orrin Wang	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	TWS 0214

ENGL329I **Special Topics in Film Studies; Film and the Fantastic: Fantasy Films from Melies to Marvel**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Studies in various periods and genres of film.

Prerequisite: ENGLR245, FILM245, SLLC283, or FILM283; or permission of instructor. Cross-listed with CINE344. Credit only granted for ENGL329I or CINE344.

0101	Paul Cote	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	TWS 0230

ENGL329J **Special Topics in Film Studies; The Films of Alfred Hitchcock**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Studies in various periods and genres of film.

Prerequisite: ENGL245, FILM245, or CINE245; or permission of ARHU-College of Arts & Humanities. Cross-listed with CINE345. Credit granted for ENGL329J or CINE345.

0101	Marianne Conroy	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	TWS 0230

ENGL329V **Special Topics in Film Studies; Presentations of London in Modern European Literature Film and Fine Art**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Studies in various periods and genres of film.

Contact department for information to register for this course.

ENGL329Z **Special Topics in Film Studies; The Henson Family as Filmmakers**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Studies in various periods and genres of film.

Prerequisite: ENGL245, FILM245, or CINE245; or permission of ARHU-College of Arts & Humanities. Cross-listed with CINE319Z. Credit only granted for ENGL329Z or CINE319Z.

0101	Paul Cote	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	TWS 0230

ENGL338A **Special Topics in Literary and Cultural Studies; Yiddish and the Supernatural: Demons, Golems, and Dybbuks**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Explore new topic areas in English literary and cultural studies.

Cross listed with JWST374. Credit only granted for ENGL338A or JWST374.

0101	Adi Mahalel TuTh 12:30pm - 1:45pm	Seats (Total: 20) ONLINE

ENGL344 **The Novel in the 19th-Century World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Explore 19th-century English-language novels drawn from around the world: England, Australia, India, South Africa, and the United States. Readings may include canonical novels (Charlotte Bronte's Jane Eyre and George Eliot's Middlemarch) as well as lesser known but extraordinary novels by authors such as Bankimchandra Chattopadhyay and Frances Harper. Topics to be addressed include realism, romance, nationalism, race and racial identity, feminism, sexuality, emigration, empire, and the function of the novel itself.

Contact department for information to register for this course.

ENGL346 **Twentieth Century Fiction**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Major British, American, and other fiction writers of the twentieth century studied in the context of the broad global, intellectual, and artistic interests of the century.

0101	Mike Kolakoski TuTh 2:00pm - 3:15pm	Seats (Total: 25) TWS 0234

ENGL352 **Intermediate Fiction Workshop**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of A- in ENGL271 or ENGL272; or permission of ARHU-English department.

A class in the making of fiction. Intensive discussion of students' own fiction. Readings include both fiction and essays about fiction by practicing writers. Writing short critical papers, responding to works of fiction, and the fiction of colleagues, in-class writing exercises, intensive reading, and thinking about literature, in equal parts, and attendance at readings.

0101	Rion Scott M 3:30pm - 6:00pm	Seats (Total: 15) TWS 3250
0201	Peter Witte Th 3:30pm - 6:00pm	Seats (Total: 15) TWS 3252

ENGL353 **Intermediate Poetry Workshop**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of A- in ENGL271 or ENGL273; or permission of ARHU-English department.

A class in the making of poetry. Intensive discussion of students' own poems. Readings in both poetry and essays about poetry by practicing poets. Writing short critical prose pieces, responding critically to colleagues' poems, in-class and outside writing exercises, memorization, and attendance at poetry readings.

0101	Christopher Kondrich	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	TWS 3134

ENGL358A **Special Topics in U.S. Latinx Literature; How to Read a Postcolonial Love Poem**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topical study of selected works by U.S. Latinx writers.

Cross-listed with USLT398A. Credit will be only granted for USLT398A or ENGL358A.

0101	Randy Ontiveros	Seats (Total: 25)
	MW 3:30pm - 4:45pm	TWS 0234

ENGL358D **Special Topics in U.S. Latinx Literature; Cuban Poetry & Fiction Post-1980**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topical study of selected works by U.S. Latinx writers.

Contact department for information to register for this course.

ENGL362 **Caribbean Literature in English**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

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General Education: DSHU, DVUP

Cross-listed with: LACS348E. Credit only granted for: ENGL362, LASC348E, or LACS348E.

Political and literary traditions that intersect in the fiction, poetry, and drama written in English by Caribbean writers, primarily during the 20th century.

0101	Sangeeta Ray	Seats (Total: 25)
	TuTh 9:30am - 10:45am	TWS 1105

ENGL368B **Special Topics in African American, African, and African Diaspora Literatures; Blues and African American Folksong**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

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Topical study of selected literature by African American and Black Diaspora writers from Africa, the Caribbean, North and South America, and beyond.

0201	Barry Pearson	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	TWS 0234

ENGL369A **Special Topics in Study Abroad III; The Scene of Reading**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL369B **Special Topics in Study Abroad III; Representing London: The Eighteenth Century I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL369C **Special Topics in Study Abroad III; The Dickens City I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL369E **Special Topics in Study Abroad III; The Crisis of Culture: Literature and Politics 1918-1948**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL369F **Special Topics in Study Abroad III; British Drama from the 1950s to the Present**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL369G **Special Topics in Study Abroad III; Adapting Literature to Screen**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL369H **Special Topics in Study Abroad III; London Stage**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL369K **Special Topics in Study Abroad III; Great Directors**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL369L **Special Topics in Study Abroad III; Angloamerican Travelers in Spain**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL369Q **Special Topics in Study Abroad III; Literature of the Shoah**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL369Z **Special Topics in Study Abroad III; The London Stage**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL373 **Senior Honors Project**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENGL370. Restriction: Must be in English Language and Literature program.

Research and writing of senior honors project. Strongly recommended for students planning graduate work.

0101	Kimberly Coles	Seats (Total: 20)
	M 3:30pm - 5:30pm	TWS 3252

ENGL381 **MGA Legislative Seminar**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail General Education: FSPW

Prerequisite: Students who have taken courses with comparable content may contact the department; or ENGL101. Restriction: Permission of ARHU-English department. Cross-listed with: HONR368A. Credit only granted for: HONR368A or ENGL381. Additional information: Application required. Contact english@umd.edu for more information.

Prepares students to intern for the Maryland General Assembly. Introduces standard legislative genres and assigns extended practice in researching legislative issues.

Cross-listed with HONR368A. Credit only granted for one of the following : ENGL381 or HONR368A. Admission to this course is by application only. Click here for more details.

0101	Blake Wilder	Seats (Total: 15)
	TuTh 9:30am - 10:45am	TWS 0205

ENGL385 **English Semantics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

We use language all the time to share our thoughts and understand others, but how do we do this? Where does language get its meanings, and how do speakers know how to use them? Study a view of meaning grounded in human cognition and social interaction, emphasizing the relations between linguistic structures and the conceptual structures employed in understanding language. Topics include the relation between lexical and constructional meaning, the role of metaphor in language and thought, and the complex relations between language, culture and cognition.

0101	Michael Israel	Seats (Total: 25)
	TuTh 9:30am - 10:45am	TWS 0221

ENGL388D **Writing, Research, and Media Internships; Dickinson Electronic Archives**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail

Explore career-facing opportunities on campus, in the D.C. metro area, and beyond. English internships can be individualized, working with businesses, not-for-profit organizations, state and federal governments, high schools, and incarcerated students. We also offer structured internship pathways with the Maryland General Assembly Program, the Emily Dickinson Electronic Archives, the Writing Center, our Undergraduate Teaching Assistant Program, and BookLab, our makerspace and letterpress printing studio.

Prerequisite: permission of department. Repeatable to 12 credits.

0101	Martha Nell Smith	Seats (Total: 5)
	Contact instructor or department for details.	

ENGL388E **Writing, Research, and Media Internships; BookLab Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail

Explore career-facing opportunities on campus, in the D.C. metro area, and beyond. English internships can be individualized, working with businesses, not-for-profit organizations, state and federal governments, high schools, and incarcerated students. We also offer structured internship pathways with the Maryland General Assembly Program, the Emily Dickinson Electronic Archives, the Writing Center, our Undergraduate Teaching Assistant Program, and BookLab, our makerspace and letterpress printing studio.

Prerequisite: permission of the department.

0101	Matthew Kirschenbaum	Seats (Total: 5)
	Contact instructor or department for details.	

ENGL388P **English Careers Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular General Education: DSSP

Prerequisite: Permission of ARHU-English department. Repeatable to 12 credits if content differs. Additional information: Each enrolled credit equals 45 hours of on-site internship work.

Students receive credit for an internship of their choice that focuses at least half of its work on core English skills such as writing, editing, and research. Students secure their own internship placements. Course assignments include, for instance, an activity log, reflection papers, a supervisor evaluation, and a final portfolio of work.

Prerequisite: permission of department. Repeatable to 12 credits. Contact english@umd.edu.

0101	Karen Lewis	Seats (Total: 15)
	Contact instructor or department for details.	

ENGL388T **Writing, Research, and Media Internships; Maryland Institute for Technology in the Humanities Internships**

(Perm req)

Credits: 1-3 Grading Method: Regular

Explore career-facing opportunities on campus, in the D.C. metro area, and beyond. English internships can be individualized, working with businesses, not-for-profit organizations, state and federal governments, high schools, and incarcerated students. We also offer structured internship pathways with the Maryland General Assembly Program, the Emily Dickinson Electronic Archives, the Writing Center, our Undergraduate Teaching Assistant Program, and BookLab, our makerspace and letterpress printing studio.

Prerequisite: permission of department. Repeatable to 12 credits.

0101	Jeffrey Moro	Seats (Total: 5)
	Contact instructor or department for details.	

ENGL388V **Undergraduate Teaching Assistants in English**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail General Education: DSSP

Prerequisite: Permission of the ARHU-English department. Repeatable to 12 credits. Additional information: Students should consult with the UTA Coordinator to determine the number of enrollment credits.

A weekly teaching practicum and concurrent internship as an undergraduate teaching assistant in an English course. Students will explore the theories and best practices of teaching and learning in the various fields of the English discipline, particularly writing and literary studies. The emphasis is on creating inclusive classrooms and working with diverse learners and is grounded in theories of critical pedagogy. Students will apply principles of learning theory to develop and facilitate learner-centered lessons and discussions. They will also study composition pedagogy in preparation for responding to student writing in the course for which they are an assistant.

Prerequisite: permission of department. Repeatable to 12 credits. Contact Lyra Hilliard, lyrahill@umd.edu. Students taking ENGL388V for the first time should register for section 0101 or 0401 for 4 credits. When taking the course again in subsequent semesters, students should register for 2001 or 3001 for 3 credits.

0101	Mark Forrester W 3:30pm - 5:00pm	Seats (Total: 20) ASY 3219
0401	Lyra Hilliard Tu 3:30pm - 5:00pm	Seats (Total: 20) ASY 3219
2001	Mark Forrester Contact instructor or department for details.	Seats (Total: 10)
3001	Lyra Hilliard Contact instructor or department for details.	Seats (Total: 10)

ENGL388W **Writing Center Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular General Education: DSSP

Prerequisite: Permission of the Writing Center (1205 Tawes Hall). Repeatable to 12 credits. Cross-listed with: SPAN388W. Credit only granted for: ENGL388W or SPAN388W.

Examines face-to-face and online writing center theory and practice through readings, exercises, and supervised tutoring. Students investigate the writing process and help other writers to negotiate it.

Students taking ENGL388W for the first time should register for section 0101 for 4 credits. When taking the course again in subsequent semesters, students should register for 2001.

Click here to apply.

0101	Thomas Earles M 3:30pm - 6:00pm *Students registering for 0101 should register for four credits.*	Seats (Total: 20) ASY 3219

2001	Thomas Earles Contact instructor or department for details.	Seats (Total: 4)

ENGL390 **Science Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits; and junior standing or higher. Credit only granted for: ENGL390 or ENGL393S. Formerly: ENGL393S.

Specifically designed for students interested in further study in the physical and biological sciences. Exposes students to the conventions of scientific prose in the genres of research articles and proposals. Students also learn to accommodate scientific information to general audiences.

Click here for more course information.

0301	Katherine Oneill MWF 11:00am - 11:50am	Seats (Total: 19) TWS 0232
0401	Katherine Oneill MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 0224
0501	Katherine Oneill MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 1105
1501	Robin Allen-Klein TuTh 3:30pm - 4:45pm	Seats (Total: 19) TWS 1320
1505	Robin Allen-Klein TuTh 5:00pm - 6:15pm	Seats (Total: 19) TWS 0230
1601	Richard Reynnells Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 1321
1801	Richard Reynnells W 6:30pm - 9:10pm	Seats (Total: 19) TWS 1321
1901	Aysha Jawed M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0224
1902	Aysha Jawed Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 0224

ENGL390H **Science Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits; and junior standing or higher. Credit only granted for: ENGL390 or ENGL393S. Formerly: ENGL393S.

Specifically designed for students interested in further study in the physical and biological sciences. Exposes students to the conventions of scientific prose in the genres of research articles and proposals. Students also learn to accommodate scientific information to general audiences.

Restricted to students in the Honors College or departmental Honors programs.

0101	Marybeth Shea MWF 9:00am - 9:50am	Seats (Total: 19) ONLINE
0201	Michael Schmidt MWF 10:00am - 10:50am	Seats (Total: 19) TWS 0224
0301	Marybeth Shea MWF 11:00am - 11:50am	Seats (Total: 19) ONLINE

ENGL391 Advanced Composition

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

An advanced composition course which emphasizes constructing written arguments accommodated to real audiences.

Click here for more course information.

0401	Spenser Feller MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 1321
0501	Dylan Carpenter MWF 1:00pm - 1:50pm	Seats (Total: 19) KEY 0121
0601	Mark Forrester MW 2:00pm - 3:15pm	Seats (Total: 19) TWS 1321
0701	Anna Josephson MW 3:30pm - 4:45pm	Seats (Total: 19) TWS 1313

0801	Dylan Carpenter MW 5:00pm - 6:15pm	Seats (Total: 19) JMZ 3120
0901	Anna Josephson MW 6:30pm - 7:45pm	Seats (Total: 19) ASY 3221
1101	Spenser Feller TuTh 9:30am - 10:45am	Seats (Total: 19) JMZ 0208
1104	Annemarie Ewing TuTh 9:30am - 10:45am	Seats (Total: 19) EDU 2101
1201	John Kim TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 3136
1301	Annemarie Ewing TuTh 12:30pm - 1:45pm	Seats (Total: 19) JMZ 0103
1505	Daune O'Brien TuTh 5:00pm - 6:15pm	Seats (Total: 19) TWS 0232
1701	Annemarie Ewing Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 1320
1901	Mark Fitzgerald Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 0232
9001	Mark Fitzgerald Class time/details on ELMs	Seats (Total: 19) ONLINE
9002	Mark Fitzgerald Class time/details on ELMs	Seats (Total: 19) ONLINE
9003	Emily Flamm Class time/details on ELMs	Seats (Total: 19) ONLINE
9004	Emily Flamm Class time/details on ELMs	Seats (Total: 19) ONLINE
9005	Sarah Goodson Class time/details on ELMs	Seats (Total: 19) ONLINE

9006	Sarah Goodson Class time/details on ELMs	Seats (Total: 19) ONLINE
9007	Dylan Carpenter Class time/details on ELMs	Seats (Total: 19) ONLINE
ESG1	Holly Smith TuTh 12:30pm - 1:45pm *Restricted to students at Shady Grove.*	Seats (Total: 19) BLD3 2203

ENGL391H **Advanced Composition**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

An advanced composition course which emphasizes constructing written arguments accommodated to real audiences.

Restricted to students in the Honors College or departmental Honors programs.

Click here for more course information.

0201	Mark Forrester MWF 10:00am - 10:50am	Seats (Total: 19) ASY 3219

ENGL392 **Legal Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

Conventions of legal writing and research. Students learn how to read and write about cases, statutes, or other legislation; how to apply legal principles to fact scenarios; and how to present a written analysis for readers in the legal profession. Assignments may include the law-school application essay, case briefs, legal memos, and client letters.

Click here for more course information.

1101	John Kim TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 1321
1301	John Kim TuTh 12:30pm - 1:45pm	Seats (Total: 19) JMZ 0208

1401	Roberta Ward TuTh 2:00pm - 3:15pm	Seats (Total: 19) EDU 2102
1601	Sara Faradji M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0232
1701	Esthus Amos Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0232
1801	Esthus Amos W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0232

ENGL393 **Technical Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

Focuses on the writing of technical papers and reports.

Click here for more course information.

0001	Patrick Nelson MWF 8:00am - 8:50am	Seats (Total: 19) TWS 1320
0101	Aubrey Zinn MWF 9:00am - 9:50am	Seats (Total: 19) ASY 3221
0201	Aubrey Zinn MWF 10:00am - 10:50am	Seats (Total: 19) TWS 3252
0301	Aubrey Zinn MWF 11:00am - 11:50am	Seats (Total: 19) ASY 3217
0303	Joan Mooney MWF 11:00am - 11:50am	Seats (Total: 19) TWS 1313
0401	Joan Mooney MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 1313
0501	Aubrey Zinn MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 0232

0601	Shannon Zellars Strohl MW 2:00pm - 3:15pm	Seats (Total: 19) ASY 3219
0801	Janet Shim MW 5:00pm - 6:15pm	Seats (Total: 19) TWS 1321
1101	Aaron Bartlett TuTh 9:30am - 10:45am	Seats (Total: 19) EDU 3233
1201	Dennis Winston TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 0230
1402	Jesse Brooks TuTh 2:00pm - 3:15pm	Seats (Total: 19) TWS 3134
1502	Nic Subtirelu TuTh 3:30pm - 4:45pm	Seats (Total: 19) KEY 0124
1505	Nic Subtirelu TuTh 5:00pm - 6:15pm	Seats (Total: 19) TWS 0224
1602	Robert Harris M 6:30pm - 9:10pm	Seats (Total: 19) TWS 1105
1702	Robert Harris Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0230
1801	Robert Harris W 6:30pm - 9:10pm	Seats (Total: 19) TWS 1105
1902	Patrick Nelson Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 1320
9001	Danuta Hinc-Powell Class time/details on ELMs	Seats (Total: 19) ONLINE
9002	Danuta Hinc-Powell Class time/details on ELMs	Seats (Total: 19) ONLINE
9003	Jesse Brooks Class time/details on ELMs	Seats (Total: 19) ONLINE

9004	Lyra Hilliard Class time/details on ELMs	Seats (Total: 19) ONLINE
9005	Ann Mason Class time/details on ELMs	Seats (Total: 19) ONLINE
9006	Ann Mason Class time/details on ELMs	Seats (Total: 19) ONLINE
9007	Ann Mason Class time/details on ELMs	Seats (Total: 19) ONLINE
9008	Ann Mason Class time/details on ELMs	Seats (Total: 19) ONLINE
9009	Daniel Saalfeld Class time/details on ELMs	Seats (Total: 19) ONLINE
9010	Daniel Saalfeld Class time/details on ELMs	Seats (Total: 19) ONLINE
9011	Daniel Saalfeld Class time/details on ELMs	Seats (Total: 19) ONLINE
9012	Daniel Saalfeld Class time/details on ELMs	Seats (Total: 19) ONLINE
9013	Kisa Lape Class time/details on ELMs	Seats (Total: 19) ONLINE
9014	Kisa Lape Class time/details on ELMs	Seats (Total: 19) ONLINE
9015	Michelle Von Euw Class time/details on ELMs	Seats (Total: 19) ONLINE
9016	Michelle Von Euw Class time/details on ELMs	Seats (Total: 19) ONLINE
9017	Michelle Von Euw Class time/details on ELMs	Seats (Total: 19) ONLINE

9018	Sarah Dammeyer Class time/details on ELMs	Seats (Total: 19) ONLINE
9019	Sarah Dammeyer Class time/details on ELMs	Seats (Total: 19) ONLINE
9020	Sarah Dammeyer Class time/details on ELMs	Seats (Total: 19) ONLINE
9021	Sarah Dammeyer Class time/details on ELMs	Seats (Total: 19) ONLINE
9022	Michelle Von Euw Class time/details on ELMs	Seats (Total: 19) ONLINE
9023	Shannon Zellars Strohl Class time/details on ELMs	Seats (Total: 19) ONLINE
9024	Shannon Zellars Strohl Class time/details on ELMs	Seats (Total: 19) ONLINE
9025	Edward Daschle Class time/details on ELMs	Seats (Total: 19) ONLINE
ESG1	Phillip Moses Class time/details on ELMs *Restricted to students at Shady Grove.*	Seats (Total: 10) ONLINE
ESG2	Phillip Moses Class time/details on ELMs *Restricted to students at Shady Grove.*	Seats (Total: 17) ONLINE
ESG3	Joshua Buursma Class time/details on ELMs *Restricted to students at Shady Grove.*	Seats (Total: 19) ONLINE
ESG4	Joshua Buursma Class time/details on ELMs *Restricted to students at Shady Grove.*	Seats (Total: 19) ONLINE

ESM1	Phillip Moses	Seats (Total: 9)
	Class time/details on ELMs	ONLINE
	Restricted to Electrical and Mechanical Engineering students at Southern Maryland.	
ESM2	Phillip Moses	Seats (Total: 2)
	Class time/details on ELMs	ONLINE
	Restricted to Electrical and Mechanical Engineering students at Southern Maryland.	

ENGL393H **Technical Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

Focuses on the writing of technical papers and reports.

Restricted to students in the Honors College or departmental Honors programs.

Click here for more course information.

1202	Aaron Bartlett	Seats (Total: 19)
	TuTh 11:00am - 12:15pm	TWS 0221

ENGL393Q **Technical Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

Focuses on the writing of technical papers and reports.

3001	Alexandra Calloway	Seats (Total: 19)
	Class time/details on ELMs	ONLINE
	The writing of technical papers and reports with additional service learning hours required to be completed as part of the course.	

ENGL394 **Business Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

Intensive practice in the forms of written communication common in the business world: letters, memos, short reports, and proposals. Focus on the principles of rhetoric and effective style.

Click here for more course information.

0102	Eric Bond MWF 9:00am - 9:50am	Seats (Total: 19) TWS 1105
0201	Jay Wilcox MWF 10:00am - 10:50am	Seats (Total: 19) TWS 1105
0302	Jay Wilcox MWF 11:00am - 11:50am	Seats (Total: 19) TWS 1320
0401	Jay Wilcox MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 3136
0501	Eric Bond MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 3252
0601	Anna Szczepaniec-Bialas MW 2:00pm - 3:15pm	Seats (Total: 19) TWS 0224
0701	Anna Szczepaniec-Bialas MW 3:30pm - 4:45pm	Seats (Total: 19) TWS 0230
0801	Nikki Werner MW 5:00pm - 6:15pm	Seats (Total: 19) JMZ 2122
1101	Pam Orel TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 3132
1201	Adam Lloyd TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 1313
1301	David Todd TuTh 12:30pm - 1:45pm	Seats (Total: 19) TWS 1106
1303	Adam Lloyd TuTh 12:30pm - 1:45pm	Seats (Total: 19) TWS 1313
1401	Robin Allen-Klein TuTh 2:00pm - 3:15pm	Seats (Total: 19) TWS 1321
1501	Michael Israel TuTh 3:30pm - 4:45pm	Seats (Total: 19) KEY 0119

1505	Robert Crane TuTh 5:00pm - 6:15pm	Seats (Total: 19) TWS 1105
1601	Jonathan Rick M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0214
1701	Sara Faradji Tu 6:30pm - 9:10pm	Seats (Total: 19) ASY 3221
1902	Esthus Amos Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 1105
9001	Pam Orel Class time/details on ELMs	Seats (Total: 19) ONLINE
9002	Pam Orel Class time/details on ELMs	Seats (Total: 19) ONLINE
9003	Pam Orel Class time/details on ELMs	Seats (Total: 19) ONLINE
9004	Pam Orel Class time/details on ELMs	Seats (Total: 19) ONLINE
9005	Dennis Winston Class time/details on ELMs	Seats (Total: 19) ONLINE
9006	Dennis Winston Class time/details on ELMs	Seats (Total: 19) ONLINE
9007	Daune O'Brien Class time/details on ELMs	Seats (Total: 19) ONLINE
9008	Daune O'Brien Class time/details on ELMs	Seats (Total: 19) ONLINE
9009	Daune O'Brien Class time/details on ELMs	Seats (Total: 19) ONLINE
9010	Daune O'Brien Class time/details on ELMs	Seats (Total: 19) ONLINE

9011	Clare Parsons Class time/details on ELMs	Seats (Total: 19) ONLINE
9012	Clare Parsons Class time/details on ELMs	Seats (Total: 19) ONLINE
9013	Clare Parsons Class time/details on ELMs	Seats (Total: 19) ONLINE
9014	Clare Parsons Class time/details on ELMs	Seats (Total: 19) ONLINE
9015	Sajeela Yaqub Class time/details on ELMs	Seats (Total: 19) ONLINE
9016	Sajeela Yaqub Class time/details on ELMs	Seats (Total: 19) ONLINE
9017	Mrim Boutla Class time/details on ELMs	Seats (Total: 19) ONLINE
9018	David Miles Class time/details on ELMs	Seats (Total: 19) ONLINE
9019	David Miles Class time/details on ELMs	Seats (Total: 19) ONLINE
9020	David Miles Class time/details on ELMs	Seats (Total: 19) ONLINE
9021	Nicole Cuffy Class time/details on ELMs	Seats (Total: 19) ONLINE
9022	Nicole Cuffy Class time/details on ELMs	Seats (Total: 19) ONLINE
9023	Nicole Cuffy Class time/details on ELMs	Seats (Total: 19) ONLINE
9024	Erica Cochran Class time/details on ELMs	Seats (Total: 19) ONLINE

9025	Nasim DarouieHaghighi Class time/details on ELMs	Seats (Total: 19) ONLINE
9026	Marina Ellis Class time/details on ELMs	Seats (Total: 19) ONLINE
9027	Sajeela Yaqub Class time/details on ELMs	Seats (Total: 19) ONLINE
9028	Robert Harris Class time/details on ELMs	Seats (Total: 19) ONLINE
ESG2	Holly Smith Class time/details on ELMs *Restricted to students at Shady Grove.*	Seats (Total: 19) ONLINE
ESG3	David Miles Class time/details on ELMs *Restricted to students at Shady Grove.*	Seats (Total: 19) ONLINE

ENGL395 **Writing for Health Professions**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

Focus on accommodating health-related technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness.

Click here for more course information.

0101	Michael Schmidt MWF 9:00am - 9:50am	Seats (Total: 19) TWS 1313
0201	Katherine Oneill MWF 10:00am - 10:50am	Seats (Total: 19) TWS 0232
0301	Justin Lohr MWF 11:00am - 11:50am	Seats (Total: 19) TWS 0230
0401	Michael Schmidt MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 1105

0501	Justin Lohr MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 0224
0601	Justin Lohr MW 2:00pm - 3:15pm	Seats (Total: 19) TWS 0230
0602	Michael Schmidt MWF 2:00pm - 2:50pm	Seats (Total: 19) KNI 1105
0801	Elizabeth Marshall MW 5:00pm - 6:15pm	Seats (Total: 19) TWS 0232
0901	Shannon Zellars Strohl MW 6:30pm - 7:45pm	Seats (Total: 19) TWS 0230
1001	Elizabeth Marshall TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 1106
1101	Michelle Moncrieffe TuTh 9:30am - 10:45am	Seats (Total: 19) ASY 3217
1201	Kisa Lape TuTh 11:00am - 12:15pm	Seats (Total: 19) ASY 3221
1301	Nic Subtirelu TuTh 12:30pm - 1:45pm	Seats (Total: 19) KEY 0125
1402	Kisa Lape TuTh 2:00pm - 3:15pm	Seats (Total: 19) TWS 3252
1501	Hannah (Toyin) Adeyemi TuTh 3:30pm - 4:45pm	Seats (Total: 19) TWS 0230
1502	Elizabeth Marshall TuTh 3:30pm - 4:45pm	Seats (Total: 19) ASY 3221
1505	Robert Lucci TuTh 5:00pm - 6:15pm	Seats (Total: 19) TWS 1320
1506	James Goodwin TuTh 5:00pm - 6:15pm	Seats (Total: 19) ASY 3221

1507	Nic Subtirelu TuTh 6:30pm - 7:45pm	Seats (Total: 19) TWS 3136
1701	Eric Bond Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 3250
ESG1	Nasim DarouieHaghighi Class time/details on ELMs *Restricted to students at Shady Grove.*	Seats (Total: 19) ONLINE

ENGL398A **Writing for the Arts**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

Examines the situations and genres in which working professionals (practitioners, advocates, administrators, and educators) write about art, culture, and artists. The course covers the complex process that writers need to learn, including how to accommodate information to specific audiences, how to use stylistic and visual devices to make information more accessible, and how to edit their own work as well as that of their peers. Assignments parallel the writing demands that students will face in the workplace, including analyzing and composing artist statements, an arts manifesto, art education guides, press releases about artists and their work, critical reviews of exhibits and performances, and proposals to funding agencies and foundations.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL391A. Credit will be granted for only one of the following: ENGL398A or ENGL391A. Formerly ENGL391A. An advanced composition course which emphasizes writing about the arts.

Click here for more course information.

1001	Victoria Moten TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 3132
1101	Victoria Moten TuTh 9:30am - 10:45am	Seats (Total: 19) TLF 0103
1601	Gerard Holmes M 6:30pm - 9:10pm	Seats (Total: 19) TWS 3136
1701	Mark Fitzgerald Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0224

1801	Gerard Holmes W 6:30pm - 9:10pm	Seats (Total: 19) TWS 3132

ENGL398B **Writing for Social Entrepreneurship**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

Designed for students who want to develop the skills needed to start a successful social venture--a start-up business with a social mission or a new nonprofit program. The course centers on a major writing project such as a business plan, a website design plan, a fundraising proposal, or a concept paper for a new nonprofit organization. Students produce other communication projects that social entrepreneurs use to develop their businesses and nonprofits, such as presentations or pitches to prospective investors/donors, marketing materials, and a job announcement. Students will learn from local social entrepreneurs who share their experiences of using writing to succeed in the field.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.

0601	Eric Thiel MW 2:00pm - 3:15pm	Seats (Total: 19) TWS 3252
0701	Eric Thiel MW 3:30pm - 4:45pm	Seats (Total: 19) TWS 0224
0801	Eric Thiel MW 5:00pm - 6:15pm	Seats (Total: 19) TWS 1313
1601	Mrim Boutla M 6:30pm - 9:10pm	Seats (Total: 19) ASY 3219
1701	Gerard Holmes Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 1313
1901	Roxanne Clements Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 1313

ENGL398C **Writing Case Studies and Investigative Reports**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

Designed for students interested in becoming police investigators, educators, case workers, insurance adjusters, nurses, or program evaluators, or in entering branches of the social sciences that investigate cases and value reports based on accurate descriptions and compelling narratives. Such reports must be factual and yet useful to decision makers, unbiased and yet focused. Students study genres and language skills from careful summarizing to convincing storytelling.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition course which emphasizes writing cases and investigative reports.

Click here for more course information.

0701	Kevin Wisniewski MW 3:30pm - 4:45pm	Seats (Total: 19) TWS 0232
0801	Kevin Wisniewski MW 5:00pm - 6:15pm	Seats (Total: 19) TWS 0230
1101	PC Fleming TuTh 9:30am - 10:45am	Seats (Total: 19) TYD 1108
1301	PC Fleming TuTh 12:30pm - 1:45pm	Seats (Total: 19) WDS 0104
1507	Kevin Wisniewski MW 6:30pm - 7:45pm	Seats (Total: 19) TWS 1320

ENGL398E **Writing About Economics**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

Examines the characteristic genres of writing in modern economics, including theoretical and empirically based journal articles, reports for government and commercial clients, and economic information presented to a variety of non-professional audiences, such as citizen-oriented and public policy organizations. Students learn how to analyze these documents rhetorically and how to communicate economic information using the content, arrangement, style, and visual graphics best suited to the purposes and standards of particular audiences. Core assignments include a genre-based journal and document analysis, presentations on economics-related topics for both economists and non-professional audiences, and a major research-based writing project for an audience outside of the classroom.

0801	Anna Josephson MW 5:00pm - 6:15pm	Seats (Total: 19) TWS 0224

ENGL398L **Scholarly Writing in the Humanities**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

Examines scholarship in the humanities as a genre of professional writing and investigates the norms and procedures of advanced academic writing. Assignments parallel the writing demands that students will face in the academic workplace, including a graduate school application essay, a genre review, an annotated bibliography, a journal article, and an oral presentation of article subject matter.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition class focusing on the norms and procedures of advanced academic writing.

Click here for more course information.

0301	Mark Forrester MWF 11:00am - 11:50am	Seats (Total: 19) TWS 1105

ENGL398N **Writing for Non-Profit Organizations**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

Examines professional writing and communication work in the non-profit sector. Students will analyze the audiences and document genres that they may encounter in real-world non-profit work and will learn how to compose many of these documents, from press releases and other public relations material to position papers, reports, and grant proposals. Students may also have the opportunity to add a service-learning component to the course by working with and for an area non-profit.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL394N. Credit will be granted for only one of the following ENGL398N or ENGL394N. Formerly ENGL394N. A busniness writing class focusinog on writing about nonprofits.

Click here for more course information.

0301	Eric Bond MWF 11:00am - 11:50am	Seats (Total: 19) TWS 3252
0401	Eric Bond MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 0232

0601	Gerard Holmes MW 2:00pm - 3:15pm	Seats (Total: 19) ASY 3221
0801	Gerard Holmes MW 5:00pm - 6:15pm	Seats (Total: 19) JMZ 1117
1001	Ruth Phillips TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 0232
1101	Rebecca Holden TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 0232
1201	David Todd TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 0232
1301	Rebecca Holden TuTh 12:30pm - 1:45pm	Seats (Total: 19) TWS 0232
1401	Rebecca Holden TuTh 2:00pm - 3:15pm	Seats (Total: 19) TWS 0232

ENGL398R **Writing Non-Fictional Narratives**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

Approaches nonfiction narrative-a kind of writing influenced by fiction, magazine journalism, memoir, and personal essay--as a form of professional writing used in publishing and a range of careers involving proposal writing, work documentation, lobbying, social marketing, and political commentary, among others. Students learn to use many of the same tools as fiction writers, such as dialogue, vivid description, developing characters, nonlinear structure, and shifts in tense, time, and points of view. They also learn how to edit their own work as well as that of their peers, doing multiple revisions of the major assignments for a final portfolio. Major assignments include essays targeted to specific publications, query letters, audience analysis, and a publisher analysis.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.

1001	Annemarie Ewing TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 1321
1101	Pamela Gerhardt TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 0224

1102	Rachel Cote TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 3252
1201	Pamela Gerhardt TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 0224
1301	Danuta Hinc-Powell TuTh 12:30pm - 1:45pm	Seats (Total: 19) TWS 0224
1401	Andrew Howard TuTh 2:00pm - 3:15pm	Seats (Total: 19) TWS 0224
1501	Andrew Howard TuTh 3:30pm - 4:45pm	Seats (Total: 19) TWS 0224

ENGL398V **Writing About the Environment**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

Designed for those aspiring to work in a variety of fields that influence and are influenced by environmental science, including public policy, advocacy, science, and industry. Students learn to apply principles of technical writing to a range of scenarios and issues particular to the intersection of scientific knowledge and environmental policy. Writing audiences range from the public to decision-makers. The course emphasizes writing both within and across disciplines to enlist research for practical contexts.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL393E. Credit will be granted for only one of the following ENGL398V or ENGL393E. Formerly ENGL393E.

Click here for more course information.

1201	Ruth Phillips TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 0230
1301	Heidi Scott TuTh 12:30pm - 1:45pm	Seats (Total: 19) ASY 3221
1501	Spenser Feller TuTh 3:30pm - 4:45pm	Seats (Total: 19) TWS 0232

1502	Jesse Brooks TuTh 3:30pm - 4:45pm	Seats (Total: 19) JMZ 1120
1701	Jesse Brooks Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 3132
1702	Jesse Brooks Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 3250

ENGL402 **Chaucer**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses beyond Fundamental Studies; or permission of ARHU-English Department.

Explore the works of Geoffrey Chaucer in their literary and cultural environment. Texts read in Middle English. Readings may include Canterbury Tales, Troilus and Criseyde, dream visions, and lyric poems.

0101	Thomas Moser TuTh 11:00am - 12:15pm	Seats (Total: 20) TWS 1105

ENGL409A **Study Abroad Special Topics IV; Solitude in Life and Letters in Enlightenment Britain**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL409B **Study Abroad Special Topics IV; Shakespeare: The Play and the Book**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL409C **Study Abroad Special Topics IV; Shakespeare's Italian Plays**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL409E **Study Abroad Special Topics IV; The Revolution Controversy: Politics and Genre**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL409F **Study Abroad Special Topics IV; Grand Tours: Nineteenth Century Adventure Stories for Young Readers and their Twentieth Century Afterlives**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL409G **Study Abroad Special Topics IV; Thomas Hardy and the Victorian Modern**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL409H **Study Abroad Special Topics IV; The Caribbean Novel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL409I **Study Abroad Special Topics IV; The New York Century: Urban Literary Culture 1900-1999**

Credits: 3-6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL409L **Study Abroad Special Topics IV; Literature of London**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL409P **Study Abroad Special Topics IV; Phonies, Fakes, Liars and Conmen: Readings in Fact and Fiction**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL414 **Milton**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses beyond Fundamental Studies; or permission of ARHU-English Department.

Explore the works of John Milton in their literary and cultural environment. Poetry and major prose, with special attention to Paradise Lost. Other works may include Samson Agonistes and shorter poems.

Contact department for information to register for this course.

ENGL416 18th-Century British Literature and Culture

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses beyond Fundamental Studies; or permission of ARHU-English Department.

The literatures of the Enlightenment grappled with a sea change in the understanding of humans, commodities, the planet, non-human animals, the body, newly-encountered "others," and God. Once called the "Age of Reason," novels, plays, and philosophy from this period in fact plumb passions, emotions, and sentiments through plots about love, exploitation, envy, crime, desire, and ambition. Satirists mocked everything from colonialism to virtue claims to satire itself. Read works that transformed what it meant to love, resist, exploit, and desire. Paradoxically, this "Age of Passions" elevated sympathy in the crucible of capitalism, invented human rights in the context of Empire; and formulated racial categories on the road to abolition and religious toleration. Authors might include Daniel Defoe, Eliza Haywood, Lady Mary Wortley Montagu, Bernard Mandeville, Jonathan Swift, Alexander Pope, Aphra Behn, William Congreve, Olaudah Equiano, and others.

0101	Tita Chico	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	TWS 1105

ENGL420 British Romantic Literature and Culture

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses beyond Fundamental Studies; or permission of ARHU-English Department.

Explore a time (roughly 1780-1830) of great change, political revolution, empire-building, changing economic and sexual relations, and philosophical innovation. Arguably, many of our contemporary notions about literature and what an author is were created during this period. Consider the influence of these changes in such authors as Blake, Wordsworth, Coleridge, Shelley, Keats, Byron, Godwin, Wollstonecaft, Austen, and more.

0101	Orrin Wang	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	TWS 1313

ENGL422A Empire, Urbanization, Aesthetics: Literature of the Global Victorian Era

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses beyond Fundamental Studies; or permission of ARHU-English Department.

An age of cultural, political, and aesthetic upheaval, the Victorian period was a time of enormous social change: working-class agitation, struggles for women's rights, industrialization, imperial aggression, scientific discovery, and shifting ideas about race and colonialism. Through the study of novels, poems, and non-fiction prose, this course will consider how literature of the British nineteenth century engages with the disordered age in which it was composed. Authors may include Charles Dickens, Elizabeth Gaskell, Elizabeth Barrett Browning, George Eliot, Alfred Tennyson, and Mary Seacole, among others.

Contact department for information to register for this course.

ENGL428F **Seminar in Language and Literature; Literary Genre, Political Philosophy, and the History of Emotion**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics will vary each semester. The course will provide a seminar experience in material or methodologies not otherwise available to the major.

Restriction: Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course intended primarily for students in English Honors Program. English majors with strong academic records may also apply. Permission from the Director of Honors required.

0101	Laura Rosenthal	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TWS 3250

ENGL428L **Seminar in Language and Literature; Another Green World: Nature and Early English Literature**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics will vary each semester. The course will provide a seminar experience in material or methodologies not otherwise available to the major.

Restriction: Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course intended primarily for students in English Honors Program. English majors with strong academic records may also apply. Permission from the Director of Honors required.

0101	Kellie Robertson	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	TWS 3132

ENGL429 **Independent Research in English**

(Perm req)

Credits: 1-6 Grading Method: Regular

An advanced independent research project for qualified students, supervised by an English faculty member, on a topic not ordinarily covered in available courses.

Prerequisite: ENGL301 and two English courses, excluding Fundamental Studies requirement.

Contact department for information to register for this course.

ENGL433 **American Literature: 1914 to the Present, the Modern Period**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses beyond Fundamental Studies; or permission of ARHU-English Department.

Modernism, Postmodernism. Writers such as Stevens, Stein, Ellison.

0101	Peter Mallios	Seats (Total: 20)
	TuTh 5:00pm - 6:15pm	TWS 3132

ENGL438D **Selected Topics in Media Studies; Reading and Writing in Immersive Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of a topic pertinent to how the material production, technologies, and cultural practices of diverse types of media shape meaning.

0101	Marisa Parham	Seats (Total: 20)
	M 3:30pm - 6:00pm	ASY 3221

ENGL439D **Spotlight on Major Writers; Dickinson, Erotics, Poetics, Biopics: Some (Queer) Ways We Read Poetry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVUP

An intensive study of a single writer, or a handful of writers, to understand the shifts in the writer's craft and cultural influence, both past and present.

Prerequisite: two English courses in literature or permission of department. Repeatable to 9 credits if content differs. Also offered as ENGL439D, LGBT448Y and WGSS498Y. Credit granted for ENGL439D, LGBT448Y, WGSS498Y or WMST498Y.

0101	Martha Nell Smith	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	TWS 1321

ENGL439M **Spotlight on Major Writers; Major American Writers After 1865**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An intensive study of a single writer, or a handful of writers, to understand the shifts in the writer's craft and cultural influence, both past and present.

Contact department for information to register for this course.

ENGL439N **Spotlight on Major Writers; Dying to Learn: Tragedy from the Greeks to "Lear" and "Succession"**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An intensive study of a single writer, or a handful of writers, to understand the shifts in the writer's craft and cultural influence, both past and present.

Prerequisite: Two English courses in literature or permission of department.

0101	Michael Olmert	Seats (Total: 20)
	W 3:30pm - 6:00pm	TWS 1320

ENGL439O **Spotlight on Major Writers; Wright-Ellison-Baldwin**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An intensive study of a single writer, or a handful of writers, to understand the shifts in the writer's craft and cultural influence, both past and present.

Prerequisite: Two English courses in literature or permission of department.

0101	John Drabinski	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ASY 3219

ENGL444 **Feminist Critical Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: WMST200, WGSS200, WMST250, WGSS250, or ENGL250. Cross-listed with: WGSS444. Credit only granted for: ENGL444, WMST444 or WGSS444. Formerly: WMST444.

Issues in contemporary feminist thought that have particular relevance to textual studies, such as theories of language, literature, culture, interpretation, and identity.

Contact department for information to register for this course.

ENGL457 **The Modern Novel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses beyond Fundamental Studies; or permission of ARHU-English Department.

Explore the remarkable development and transformation of the novel in the twentieth century. Learn about the development of the novel through realism, modernism, and postmodernism, from the transformations made by major modernists like Joseph Conrad, James Joyce, Virginia Woolf, Jean Toomer, William Faulkner, and Katherine Ann Porter to playful, unusual and fascinating postmodern and contemporary fiction by Ralph Ellison, Kathy Acker, Salman Rushdie, Toni Morrison, and others.

Contact department for information to register for this course.

ENGL458A **Literature by Women After 1800; Gender, Race and Empire in Women's Writing 1780-1900**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected writings by women after 1800.

Contact department for information to register for this course.

ENGL459C **Selected Topics in LGBTQ+ Literatures and Media; Life Writings in Different Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of a topic pertinent to literary and cultural expressions of LGBTQ+ identities, positionalities, and analytics through an exploration of literature, art, and/or media.

Cross-listed with LGBT459D. Credit only granted for ENGL459C or LGBT459D.

0101	Martha Nell Smith	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	TWS 1313

ENGL459D **Selected Topics in LGBTQ+ Literatures and Media; Queer Youth**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of a topic pertinent to literary and cultural expressions of LGBTQ+ identities, positionalities, and analytics through an exploration of literature, art, and/or media.

0101	Chris Eng	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TWS 1105

ENGL462 **Folksong and Ballad**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Explore America's diverse folksong heritage and its impact on world culture. Learn about such regional, ethnic, and popular music forms as ballad, country, bluegrass, blues, rock, gospel, soul, rap, and zydeco within their specific cultural contexts and as commercial products commodified by a voracious music industry. While we will consider the European and African roots of many of these musical traditions, our focus will be on American contributions in the twentieth century. Reading and listening will focus on genres such as blues or bluegrass; particular artists such as Bessie Smith, Robert Johnson, Bill Monroe, and Louis Jordan; and major figures in the recording industry or fieldworker collectors such as Alan Lomax.

Prerequisite: Two English courses in literature; or permission of ARHU-English department

0101	Barry Pearson	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	TWS 1105

ENGL467 **Creative Approaches to Digital Textuality**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: One English course beyond Fundamental Studies; or permission of ARHU-English department.

Examines electronic literature and other aspects of the literary world online with a focus on experimental writing with computers. Topics may include digital fiction and storytelling, bots, book hacking, flash fiction, narrative in games, and artificial-intelligence-generated fiction, poetry, and art. No programming experience required.

0101	Kevin Wisniewski	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TWS 1320

ENGL468A **Selected Topics in Film Studies; The Scene of Writing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced studies in various periods and genres of film.

Contact department for information to register for this course.

ENGL469P **The Craft of Literature: Creative Form and Theory; Lyric Realities: Poem, Person, Planet**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examines various forms of poetry and/or fiction, emphasizing the practice of making literary art and the aesthetic and theoretical approaches that define it. Students will practice the elements of literary craft, producing and experimenting with a wide range of forms and conventions in poetry and/or fiction. They will also produce critical work that articulates and contextualizes theoretical approaches to the making of literary art.

Prerequisite: Two English courses in literature or creative writing; and have completed a 200-level creative writing workshop in ENGL or permission of ARHU-English Department. Repeatable to 9 credits if content differs.

0101	Joshua Weiner	Seats (Total: 20)
	M 6:30pm - 9:00pm	TWS 3132

ENGL475 **Postmodern Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses beyond Fundamental Studies; or permission of ARHU-English Department.

Explore the origins and ongoing development of postmodern literature. Learn about the "postmodern condition," such as the collapse of identity, the erasure of cultural and aesthetic boundaries, and the dissolution of life into textuality. Explore art that has come in the wake of postmodernism and has attempted to move beyond it. Readings might include novels and other genres in varied media by Samuel Beckett, Art Spiegelman, Julian Barnes, Colson Whitehead, Ruth Ozeki, Zadie Smith, and others.

Contact department for information to register for this course.

ENGL478J **Selected Topics in Literature before 1800; The Essay Form: The Art of Unfinished Thought**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of key topics in literary works from earlier historical periods.

0101	Gerard Passannante	Seats (Total: 15)
	MW 3:30pm - 4:45pm	TWS 1321

ENGL479Y **Selected Topics in Literature after 1800; Seminar in Poetry Translation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of key topics in literary works from later historical periods.

Prerequisite: Two English courses in literature or permission of ARHU-E nglish department. Cross listed with CMLT679T. Credit only for ENGL479Y or CMLT679T.

0101	Joshua Weiner	Seats (Total: 14)
	M 3:30pm - 6:00pm	TWS 3136

ENGL483 **American English(es)**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: LING200, ENGL280, or HESP120; or permission of ARHU-English department.

Examines the diversity of dialects, registers, and jargons of English found in the United States, as well as their origins, structures, and functions in society.

0101	Cecilia Shelton	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TWS 1320

ENGL487 **Principles and Practices of Rhetoric**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Students must have satisfied Fundamental Studies Academic Writing requirement.

A seminar examining foundational concepts and approaches in the theory and practice of rhetoric in civic, professional, academic, and interpersonal settings; focusing on key issues in persuasion, argumentation, and eloquence in historical and contemporary contexts.

0101	Angela Glotfelter	Seats (Total: 20)
	MW 3:30pm - 4:45pm	TWS 1105

ENGL488C **Topics in Advanced Writing; User Interface (UI) Design**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Different genres of technical and professional writing including proposal writing, computer documentation, technical report writing, instruction manuals, etc. Students will analyze models of a genre, produce their own versions, test, edit and revise them.

0101	Angela Glotfelter MW 5:00pm - 6:15pm	Seats (Total: 18) TWS 1105

ENGL493 **Writing Genres as Social Action**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Recommended: Satisfactory completion of the professional writing requirement (FSPW). Restriction: Must have earned a minimum of 60 credits.

A rhetorical genre studies approach to understanding the work that texts do in the world. Examines issues of identity, power, and medium as they relate to writing in various contexts. Students analyze the texts, context(s), and social significance of a public, professional, digital, and/or advanced academic genre and produce writing that meets, modifies, and subverts expectations.

0101	Scott Wible TuTh 9:30am - 10:45am	Seats (Total: 20) TWS 1313

ENGL494 **Editing and Document Design**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: One course in Fundamental Studies Professional Writing; or permission of ARHU-English Department.

Principles of general editing for clarity, precision and correctness. Applications of the conventions of grammar, spelling, punctuation and usage, and organization for logic and accuracy. Working knowledge of the professional vocabulary of editing applied throughout the course.

0101	Ruth Phillips TuTh 11:00am - 12:15pm	Seats (Total: 20) TWS 1321

ENGL495 **Independent Study in Honors**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENGL373 and ENGL370. Restriction: Must be in English Language and Literature program; and candidacy for honors in English.

Completion and presentation of the senior honors project.

Contact department for information to register for this course.

ENGL497 **English at Work**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: ENGL301; and an ENGL course at the 300-level or higher. Restriction: Must have earned a minimum of 60 credits.

Examines how English majors put their academic knowledge and skills to work in professional workplaces after graduation. Students learn strategies to research careers, and they shadow a person in a career of interest for a day. Students learn to compose different professional genres to write and speak about and for professional development and advancement, including inquiry letters, technical descriptions, professional portfolios, and elevator pitches. Students will critically examine the learning they have done in their undergraduate coursework and compose a vision for bringing that learning to life in their future work.

Restriction: Must be in English Language and Literature program; or must be in Secondary Educ: English Language Arts program.

0101	Blake Wilder TuTh 2:00pm - 3:15pm	Seats (Total: 20) TWS 3132

ENGL498 **Advanced Fiction Workshop**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

An advanced class in the making of fiction. Intensive discussion of students' own fiction. Readings include both fiction and essays about fiction by practicing writers. Writing short critical papers, responding to works of fiction, and to colleagues' fiction, in-class writing exercises, intensive reading, and thinking about literature, in equal parts, and attendance at readings.

Prerequisite: ENGL352 or ENGL396; or permission of department.

0101	Rion Scott W 3:30pm - 6:00pm	Seats (Total: 15) TWS 3250
0201	Nicole Cuffy Th 3:30pm - 6:00pm	Seats (Total: 15) TWS 3136
0301	Emily Flamm Tu 3:30pm - 6:00pm	Seats (Total: 15) TWS 3252

ENGL499 **Advanced Poetry Workshop**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

An advanced class in the making of poetry. Intensive discussion of students' own poems. Readings include both poetry and essays about poetry by practicing poets. Writing short critical prose pieces, responding critically to colleagues' poems, in-class and outside writing exercises, and attendance at poetry readings.

Prerequisite: ENGL397 or ENGL353; or permission of department.

0101	Lillian-Yvonne Bertram	Seats (Total: 15)
	M 3:30pm - 6:00pm	TWS 3134

ENGL601 **Introduction to Graduate Studies**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be a student in the Comparative Literature PhD, English MA, or English PhD.

An introduction to different elements of graduate work and an exploration of what it means to get a doctoral degree in English. Considers different career trajectories, in and outside of academia, as well as the future of higher education.

For majors only.

0101	Lee Konstantinou	Seats (Total: 14)
	Tu 3:30pm - 6:00pm	TWS 3136

ENGL602 **Critical Theory and Literary Criticism**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

An introduction to critical theory and literary criticism, with an overview of major movements (including formalism, structuralism and poststructuralism, Marxism, psychoanalysis, and feminism). Designed to help graduate students assess the various ways of approaching and writing about literature.

0101	Christina Walter	Seats (Total: 14)
	Tu 6:30pm - 9:00pm	TWS 3252

ENGL659A **Readings in Postcolonial Literatures and Theory; Race, Indigeneity, and the Postcolonial Australian Novel**

(Perm req)

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Readings in post-colonial, diasporic, and trans-national theory and literature.

0101	Jason Rudy	Seats (Total: 14)
	Th 6:30pm - 9:00pm	TWS 3252

ENGL679 **Professional and Career Mentoring for Master's Students**

(Perm req) Credits: 1-3 Grading Method: Sat-Fail

Augments advising currently provided by the English Department Graduate Studies Office. Individual professional and career mentoring for MA and MFA students from a faculty member.

Contact department for information to register for this course.

ENGL688 Poetry Workshop

(Perm req) Credits: 3 Grading Method: Regular, Audit

Poetry workshop.

0201	Christopher Kondrich W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3134

ENGL689 Fiction Workshop

(Perm req) Credits: 3 Grading Method: Regular, Audit

Fiction workshop.

0101	Emily Mitchell W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3136

ENGL699 Independent Study

(Perm req) Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

ENGL708F Seminar in Rhetoric; Emotion and Persuasion

(Perm req) Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Topics in rhetoric: history of rhetorical theory, modern rhetorical theory, rhetorical interpretation, composition theory, rhetoric of social groups.

0101	Vessela Valiavitcharska Th 3:30pm - 6:00pm	Seats (Total: 11) TWS 3134

ENGL739B Seminar in the Digital Humanities; Machines Reading, Machines Writing

(Perm req) Credits: 3 Grading Method: Regular, Audit

Examines a broad range of materials, including essays, literature, film, VR, videogames, and other digital texts to engage with and read digital experiences from literary, cultural, and computational perspectives.

0101	Kari Kraus, Matthew Kirschenbaum Tu 3:30pm - 6:00pm	Seats (Total: 11) TWS 3250

ENGL798B **Critical Theory Colloquium**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

An intensive advanced exploration of current problems and issues in critical theory.

0101	David Simon Contact instructor or department for details.	Seats (Total: 20)

ENGL799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENGL809 **Academic Publishing Workshop**

(Perm req)

Credits: 1-2 Grading Method: Sat-Fail

A workshop for the preparation of articles of other critical writing for publication in academic journals or other professional venues.

0101	Jason Rudy Contact instructor or department for details.	Seats (Total: 12)

ENGL878 **Pedagogical Mentoring for Doctoral Students**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Pedagogical mentoring by roster faculty members for graduate students teaching 200-level literature courses.

Contact department for information to register for this course.

ENGL879 **Professional Mentoring for Doctoral Students**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Augments advising currently provided by the English Department Graduate Studies Office. Individual professional and career mentoring for PhD students from a faculty member.

Contact department for information to register for this course.

ENGL888 **Practicum in English Studies**

Credits: 1 Grading Method: Sat-Fail

1601	Gerard Passannante Contact instructor or department for details.	Seats (Total: 20)

ENGL898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Pedagogical mentoring by roster faculty members for graduate students teaching 200-level literature courses.

Contact department for information to register for this course.

ENGL899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENMA Engineering, Materials Fall 2025

ENMA180 **Materials Science and Engineering: The Field and the Future**

Credits: 1 Grading Method: Regular

Restriction: Permission of ENGR-Materials Science Engineering department.

Overview of the profession and the components of the Materials Science and Engineering program. Students will become familiar with the departmental faculty, areas of specialization within MSE, professional society student chapter, research opportunities and other resources available to students.

0101	Naomi Parker, Yifei Mo W 2:00pm - 2:50pm	Seats (Total: 25) CHE 2118

ENMA300 **Introduction to Materials Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES100; and permission of ENGR-Materials Science & Engineering department. Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Restriction: Permission of ENGR-Mechanical Engineering department. Cross-listed with ENME382. Credit only granted for: ENMA300 or ENME382.

Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Isabel Lloyd TuTh 3:30pm - 4:45pm	Seats (Total: 30) ESJ 2204
0201	Timothy Koeth TuTh 9:30am - 10:45am *For students majoring in Materials Science and Engineering.*	Seats (Total: 38) CCC 1111
0301	Teng Li MWF 10:00am - 10:50am	Seats (Total: 30) JMZ 0220

ENMA312 **Experimental Methods in Materials Science**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENMA300. Corequisite: ENMA460. Restriction: Junior standing or higher.

Introduction to experimental methods in materials characterization; synthesis of colloidal nanoparticles; X-ray diffraction and light scattering; optical microscopy; thermal conductivity and expansion; electrical measurements; heat capacity; computational materials design.

0101	Audaldo Ponce Tu 2:00pm - 3:15pm M 9:00am - 11:50am	Seats (Total: 10) Location: TBA Location: TBA	 Lab
0102	Audaldo Ponce Tu 2:00pm - 3:15pm W 9:00am - 11:50am	Seats (Total: 10) KEB 1135 KEB 1135	 Lab

ENMA362 **Mechanical Properties**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENMA300. Restriction: Junior standing or higher; and permission of ENGR-Materials Science & Engineering department.

Overview of Mechanical Behavior, Elastic Behavior, Dislocations, Plastic Deformation, Strengthening of Crystalline Materials, Composite Materials, High Temperature Deformation of Crystalline Materials, Permanent Deformation of Noncrystalline Materials, Tensile Fracture at Low Temperatures, Engineering Aspects of Fracture, High Temperature Fracture, Fatigue, and Experimental determination of Mechanical Properties including Hardness of Metals and Strength of Metals, Polymers, Ceramics and Composites.

For ENMA majors only.

0102	Gianna Valentino TuTh 3:30pm - 4:45pm TuTh 9:00am - 11:00am	Seats (Total: 22) EGR 1102 KEB 1135	 Lab

ENMA422 **Radiation Effects of Materials**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENMA300; and permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA422 or ENMA489E. Formerly: ENMA489E.

Ionizing radiation, radiation dosimetry and sensors, radiation processing, radiation effects on: polymers, metals, semiconductors, liquids, and gases. Radiation in advanced manufacturing, radiation-physical technology.

0101	Mohamad Al-Sheikhly	Seats (Total: 25)
	MW 3:30pm - 4:45pm	CHE 2145

ENMA437 **Machine Learning for Materials Science**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH461, ENMA300, and ENMA165 or equivalent. Restriction: Permission of ENGR-Materials Science & Engineering department. Jointly offered with: ENMA637. Credit only granted for: ENMA437 or ENMA637.

Familiarizes students with basic as well as state of the art knowledge of machine learning and its applications to materials science and engineering. Covers the range of machine learning topics with applications including feature identification and extraction, determining predictive descriptors, uncertainty analysis, and identifying the most informative experiment to perform next. One focus of the class is to build the skills necessary for developing an autonomous materials research system, where machine learning controls experiment design, execution, and analysis in a closed-loop.

0101	Aaron Kusne, Ichiro Takeuchi	Seats (Total: 10)
	M 10:00am - 12:50pm	JMP 2116

ENMA441 **Characterization of Materials**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENMA300, ENMA165 or MATH206. Restriction: Permission of ENGR-Materials Science & Engineering department; and senior standing. Credit only granted for: ENMA489T or ENMA441. Formerly: ENMA489T.

Techniques to characterize the properties of materials whose characteristic dimensions range from nanometers to macroscopic. These include conventional crystalline and noncrystalline materials, with a special attention to materials of current technological interest. The course will include recent results from the scientific literature.

0101	John Cumings	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	CHE 2145

ENMA460 **Introduction to Solid State Physics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS271, PHYS270, and MATH241. Restriction: Junior standing or higher; and must be in the Engineering: Materials Science program or Physics program. Cross-listed with: PHYS431. Credit only granted for: ENMA460 or PHYS431. Additional information: Materials Engineering students take ENMA460 and Physics students take PHYS431.

Classes of materials; introduction to basic ideal and real materials' behavior including mechanical, electrical, thermal, magnetic and optical responses of materials; importance of microstructure in behavior. One application of each property will be discussed in detail.

0101	You Zhou	Seats (Total: 45)
	MW 5:00pm - 6:15pm	PHY 1402

ENMA464 **Environmental Effects on Engineering Materials**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENMA300. Or permission of ENGR-Materials Science & Engineering department; and permission of instructor.

Introduction to the phenomena associated with the resistance of materials to damage under severe environmental conditions. Oxidation, corrosion, stress corrosion, corrosion fatigue and radiation damage are examined from the point of view of mechanism and influence on the properties of materials. Methods of corrosion protection and criteria for selection of materials for use in radiation environments.

0101	Sreeramamurthy Ankem	Seats (Total: 25)
	MW 2:00pm - 2:50pm	EGR 2154
	F 2:00pm - 2:50pm	ONLINE

ENMA466 **Advanced Materials Fabrication Laboratory**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENMA465; and permission of ENGR-Materials Science & Engineering department.

This course allows students an opportunity to study advanced materials systems in depth through a combination of lectures and hands-on laboratory experiments. Students will be trained in materials processing and characterization techniques. Each student will fabricate materials and devices in our state-of-the-art nanofabrication clean room facility (Fablab), as well as evaluate them using a variety of characterization techniques.

0101	Gary Rubloff	Seats (Total: 10)
	W 10:00am - 11:30am	EGR 3111
	Contact instructor or department for details.	

ENMA471 **Kinetics, Diffusion and Phase Transformations**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in ENMA461. Restriction: Junior standing or higher; or permission of ENGR-Materials Science & Engineering department.

Fundamentals of diffusion, the kinetics of reactions including nucleation and growth and phase transformations in materials.

0101	Raymond Phaneuf	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	CHE 2118

ENMA473 **Engineering Using High Strength Metals and Alloys**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENMA300 and permission of ENGR-Materials Science & Engineering department.

This is a class focused on the materials engineering challenges of applying high strength metals and alloys to solutions. The extraordinary properties of these alloys derive from (1) highly metastable microstructures, (2) high strengths and melting points of the base metals, (3) complicated processing and fabrication procedures, and (4) their resulting complex behavior in extreme environments. This course will give you the knowledge base you need to select, apply and troubleshoot the performance of high strength metals and alloys in a variety of applications.

0101	Sudarsanam Babu	Seats (Total: 35)
	TuTh 5:00pm - 6:15pm	CHE 2136

ENMA486 **Seminar in Materials Science and Engineering**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Engineering: Materials Science program.

Current research in materials science and engineering and related fields. The lectures are presented by scientists and engineers from academia, national laboratory, US government, etc., in the format of seminars.

0101	Shenqiang Ren	Seats (Total: 4)
	W 3:30pm - 5:00pm	CHE 2108

ENMA487 **Capstone Preparation**

(Perm req)

Credits: 1 Grading Method: Regular

Restriction: Must be in Engineering: Materials Science program; and senior standing; and permission of ENGR-Materials Science & Engineering department.

In preparation for the senior level design course, students will do background research and develop white papers from which teams will form around short listed design projects. The projects should focus on a society, industry, military or technological based problem in Materials Science and Engineering leading to a design and strategy to address the problem in the following course, ENMA 490. The course will include written and oral presentations of the white papers and team proposals.

0101	Raymond Phaneuf	Seats (Total: 40)
	W 1:00pm - 1:50pm	EGR 0135

ENMA499 **Senior Laboratory Project**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Students work with a faculty member on an individual laboratory project in one or more of the areas of engineering materials. Students will design and carry out experiments, interpret data and prepare a comprehensive laboratory report.

0101	Shenqiang Ren	Seats (Total: 6)
	Contact instructor or department for details.	

ENMA613 **Materials Science of Quantum Computing**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Materials Science & Engineering department. Recommended: Strongly recommended coursework in introduction to materials science, electronic materials, solid state physics, quantum mechanics and basic knowledge in computer programming or MATLAB.

Quantum computing is the emerging field that attempts to perform information processing on a quantum mechanical state (qubit). This graduate level course targets advanced undergraduate and beginning graduate students for an introduction to this field of applied physics and the related material structures needed for elementary quantum computing. This course focuses on targeted topics of quantum mechanics and solid state physics as applicable to ion trap qubits, electron spin qubits, and superconducting qubits with connections to actual material structures their design and means of fabrication.

0101	Christopher Richardson	Seats (Total: 15)
	TuTh 5:00pm - 6:30pm	CHE 2145

ENMA637 **Machine Learning for Materials Science**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH461. Recommended: Python knowledge. Restriction: Permission of ENGR-Materials Science & Engineering department. Jointly offered with: ENMA437. Credit only granted for: ENMA437, ENMA489L, or ENMA637.

Familiarizes students with basic as well as state of the art knowledge of machine learning and its applications to materials science and engineering. Covers the range of machine learning topics with applications including feature identification and extraction, determining predictive descriptors, uncertainty analysis, and identifying the most informative experiment to perform next. One focus of the class is to build the skills necessary for developing an autonomous materials research system, where machine learning controls experiment design, execution, and analysis in a closed-loop.

0101	Aaron Kusne, Ichiro Takeuchi	Seats (Total: 10)
	M 10:00am - 12:50pm	JMP 2116

ENMA641 **Nanotechnology Characterization**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA698T or ENMA641. Formerly: ENMA698T.

Techniques to characterize the properties of materials whose characteristic dimensions are a few to a few hundred nanometers, including conventional nanocrystalline materials, but concentrating on novel nanomaterials: carbon nanotubes, quantum dots, quantum wires, and quantum wells are covered. The emphasis is on recent results from the scientific literature concerning those properties that make nanostructures interesting: quantum effects, novel transport phenomena, enhanced mechanical properties associated with localization and with small crystallite size.

0101	John Cumings	Seats (Total: 3)
	TuTh 12:30pm - 1:45pm	CHE 2145

ENMA650 **Nanometer Structure of Materials**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENMA460; or students who have taken courses with comparable content may contact the department. And permission of ENGR-Materials Science & Engineering department.

The basic concepts required for understanding nanostructured materials and their behavior will be covered. Topics covered include the structural aspects of crystalline and amorphous solids and relationships to bonding types, point and space groups. Summary of diffraction theory and practice. The reciprocal lattice. Relationships of the microscopically measured properties to crystal symmetry. Structural aspects of defects in crystalline solids.

0101	Gottlieb Oehrlein	Seats (Total: 26)
	MW 5:00pm - 6:15pm	CHE 2145

ENMA660 **Thermodynamics in Materials Science**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Corequisite: ENMA650. Restriction: Permission of ENGR-Materials Science & Engineering department.

Thermodynamics of engineering solids. Thermal, diffusional and mechanical interactions in macroscopic systems. Systems in thermal contact, systems in thermal and diffusive contact, systems in thermal and mechanical contact.

0101	Oded Rabin TuTh 9:30am - 10:45am	Seats (Total: 25) CHE 2145

ENMA664 **Advanced Environmental Effects on Engineering Materials**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENMA664 or ENMA698K. Formerly: ENMA698K.

Introduction to the phenomena associated with the resistance of materials to damage under severe environmental conditions. Oxidation, corrosion, stress corrosion, corrosion fatigue and radiation damage are examined from the point of view of mechanism and influence on the properties of materials. Methods of corrosion protection and criteria for selection of materials for use in radiation related environments.

0101	Sreeramamurthy Ankem MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 5) EGR 2154 ONLINE

ENMA673 **Engineering Using High Strength Metals and Alloys**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ENGR-Materials Science & Engineering department.

You will learn the fundamental theories and best practices based on a historical perspective and also modern breakthroughs based on computational modeling and advanced in-situ ex-situ characterization of these materials. This course will introduce the insights needed to manipulate the atomic-scale structures and engineer the next generation of materials, including ferrous and non-ferrous alloys, for a wide range of applications, including biomedical, energy, and transportation.

0101	Sudarsanam Babu TuTh 5:00pm - 6:15pm	Seats (Total: 35) CHE 2136

ENMA688 **Seminar in Materials Science and Engineering**

Credits: 1 Grading Method: Regular, Audit

Current research in materials science and engineering and related fields.

0101	Shenqiang Ren W 3:30pm - 5:00pm	Seats (Total: 24) CHE 2108

ENMA698 **Special Problems in Materials Science and Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Individual, supervised study in materials science and engineering.

Contact department for information to register for this course.

ENMA797 **Independent Study**

Credits: 3 Grading Method: Regular, Audit

This course is designed to provide students with a directed independent study course in order to prepare the scholarly paper required for the master's degree without thesis degree option.

0101	Ichiro Takeuchi	Seats (Total: 5)
	Contact instructor or department for details.	

ENMA799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENMA898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENMA899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENME Engineering, Mechanical Fall 2025

ENME202 **Computing Fundamentals for Engineers**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Corequisite: Must be concurrently enrolled in MATH141. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENAE202 or ENME202.

Introduction to computer programming for the solution of engineering problems. Python & MATLAB languages including flow control, functions, file handling, arrays, and data structures. Students will be introduced to computing fundamentals, principles of software engineering, object-oriented programming, and algorithms.

0101	Alban Sauret	Seats (Total: 60)	
	MW 11:00am - 11:50am Tu 3:00pm - 4:50pm	SKN 0200 ONLINE	Lab
0102	Alban Sauret	Seats (Total: 60)	
	MW 11:00am - 11:50am Th 3:00pm - 4:50pm	SKN 0200 ONLINE	Lab

0103	Alban Sauret MW 11:00am - 11:50am W 3:00pm - 4:50pm	Seats (Total: 60) SKN 0200 ONLINE	 Lab
0104	Alban Sauret MW 11:00am - 11:50am Th 5:00pm - 6:50pm	Seats (Total: 60) SKN 0200 ONLINE	 Lab

ENME208 **Introduction to Automotive Engineering and Design**

Credits: 2 Grading Method: Regular, Pass-Fail

Selected concepts in automotive engineering and design at the introductory level utilizing the Terps Racing Baja SAE student project as a learning instrument. This class compliments ENME408, Automotive Design, which focuses on the Terps Racing Formula SAE car.

0101	Scott Schmidt Tu 6:30pm - 7:30pm Th 6:30pm - 8:30pm	Seats (Total: 10) JMP 1202 JMP 1202

ENME272 **Introduction to Computer Aided Design**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in MATH141. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME414 or ENME272.

Fundamentals of CAD, using solid modeling packages (Pro/E, SolidWorks, and Autodesk Inventor). Two and three dimensional drawing. Dimensioning and specifications. Introduction of CAD based analysis tools. Students will complete a design project.

0101	Mohammad Fazelpour M 8:00am - 9:50am	Seats (Total: 42) KEB 2111
0201	David Kriesberg Tu 10:00am - 11:50am	Seats (Total: 42) KEB 2111
0301	Mohammad Fazelpour W 8:00am - 9:50am	Seats (Total: 42) KEB 2111
0401	David Kriesberg Th 10:00am - 11:50am	Seats (Total: 42) KEB 2111

0501	Mohammad Fazelpour F 1:00pm - 2:50pm	Seats (Total: 42) KEB 2111	
0601	David Kriesberg W 3:00pm - 4:50pm	Seats (Total: 42) KEB 2111	

ENME299Z **Topics in Mechanical Engineering; The Legend of Zelda: A Link to Machine Design**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Introductory topics in the field of mechanical engineering.

0101	Ryan Sochol W 12:00pm - 12:50pm	Seats (Total: 30) AJC 1108	

ENME331 **Fluid Mechanics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES232 and ENES221. Credit only granted for: BIOE331, ENCE305, ENFP300, or ENME331.

Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	Amir Riaz, Cecilia Huertas Cerdeira MW 12:00pm - 12:50pm Tu 1:00pm - 2:50pm	Seats (Total: 44) TYD 0130 PHY 0405	Lab
0102	Cecilia Huertas Cerdeira, Amir Riaz MW 12:00pm - 12:50pm W 1:00pm - 2:50pm	Seats (Total: 50) TYD 0130 ANS 0408	Lab
0103	Amir Riaz, Cecilia Huertas Cerdeira MW 12:00pm - 12:50pm M 4:00pm - 5:50pm	Seats (Total: 40) TYD 0130 EGR 3106	Discussion
0105	Cecilia Huertas Cerdeira, Amir Riaz MW 12:00pm - 12:50pm Tu 3:00pm - 4:50pm	Seats (Total: 49) TYD 0130 PHY 1402	Lab

0106	Cecilia Huertas Cerdeira, Amir Riaz MW 12:00pm - 12:50pm W 3:00pm - 4:50pm	Seats (Total: 50) TYD 0130 CSI 1121	Lab

ENME332 **Transfer Processes**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME331. Credit only granted for: ENME332 or ENFP312.

The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.

0101	Amir Riaz, Lingnan Lin MW 9:00am - 9:50am Tu 1:00pm - 2:50pm	Seats (Total: 44) EGR 1202 CHE 2118	Lab
0102	Amir Riaz, Lingnan Lin MW 9:00am - 9:50am W 1:00pm - 2:50pm	Seats (Total: 44) EGR 1202 PHY 0405	Lab
0103	Lingnan Lin, Amir Riaz MW 9:00am - 9:50am Th 1:00pm - 2:50pm	Seats (Total: 45) EGR 1202 CHE 2118	Lab
0104	Amir Riaz, Lingnan Lin MW 9:00am - 9:50am F 1:00pm - 2:50pm	Seats (Total: 45) EGR 1202 ANS 0412	Lab
	03/03/2022 (2208) Suz Holding 2 seats for Southern MD students which has been approved by Lisa Kiley.		

ENME350 **Electronics and Instrumentation I**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: PHYS271 and PHYS270.

Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Xinan Liu, Peter Sandborn MW 9:00am - 9:50am M 1:00pm - 2:50pm	Seats (Total: 48) ARM 0126 EGR 3108	Lab

0102	Xinan Liu, Peter Sandborn MW 9:00am - 9:50am Th 1:00pm - 2:50pm	Seats (Total: 48) ARM 0126 EGR 3108	 Lab
0103	Xinan Liu, Peter Sandborn MW 9:00am - 9:50am W 3:20pm - 5:10pm	Seats (Total: 48) ARM 0126 EGR 3108	 Lab
0104	Xinan Liu, Peter Sandborn MW 9:00am - 9:50am Tu 3:20pm - 5:10pm	Seats (Total: 48) ARM 0126 EGR 3108	 Lab
0105	Xinan Liu, Peter Sandborn MW 9:00am - 9:50am M 3:20pm - 5:10pm	Seats (Total: 48) ARM 0126 EGR 3108	 Lab
0106	Xinan Liu, Peter Sandborn MW 9:00am - 9:50am Th 3:20pm - 5:10pm	Seats (Total: 48) ARM 0126 EGR 3108	 Lab

ENME351 **Electronics and Instrumentation II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS271, ENME350, and PHYS270.

Continuation of ENME 350. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Steven Mitchell MW 10:00am - 10:50am Tu 1:00pm - 2:50pm	Seats (Total: 40) SHM 2102 EGR 3108	 Lab
0102	Steven Mitchell MW 10:00am - 10:50am W 6:00pm - 7:50pm	Seats (Total: 40) SHM 2102 EGR 3108	 Lab
0103	Steven Mitchell MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 40) SHM 2102 EGR 3108	 Lab

0104	Steven Mitchell MW 10:00am - 10:50am Tu 6:00pm - 7:50pm	Seats (Total: 40) SHM 2102 EGR 3108	 Lab

ENME361 **Vibration, Controls and Optimization I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES220, ENES221, and MATH246; and (MATH206 or ENME202). Restriction: Must be in Engineering: Mechanical program.

Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	B Balachandran TuTh 9:30am - 10:45am	Seats (Total: 180) EGR 1202	

ENME371 **Product Engineering and Manufacturing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES221; and (ENME392 or STAT400). Restriction: Must be in Engineering: Mechanical program.

Business aspects of engineering product development. Relationship of design and manufacturing. Product specification. Statistical process control. Design team development. The development process.

0101	Vincent Nguyen MW 11:00am - 11:50am Th 5:00pm - 6:50pm	Seats (Total: 35) SHM 2102 EGL 0101	 Lab
0102	Vincent Nguyen MW 11:00am - 11:50am Th 3:00pm - 4:50pm	Seats (Total: 35) SHM 2102 EGL 0101	 Lab
0103	Vincent Nguyen MW 11:00am - 11:50am F 9:00am - 10:50am	Seats (Total: 35) SHM 2102 EGL 0101	 Lab
0104	Vincent Nguyen MW 11:00am - 11:50am Th 7:00pm - 8:50pm	Seats (Total: 35) SHM 2102 EGL 0101	 Lab

0105	Vincent Nguyen MW 11:00am - 11:50am W 6:00pm - 7:50pm	Seats (Total: 35) SHM 2102 EGL 0101	 Lab

ENME382 **Introduction to Materials Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES100; and permission of ENGR-Mechanical Engineering department. Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Restriction: Permission of ENGR-Mechanical Engineering department. Cross-listed with ENMA300. Credit only granted for: ENMA300 or ENME382.

Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Isabel Lloyd TuTh 3:30pm - 4:45pm	Seats (Total: 90) ESJ 2204
0301	Teng Li MWF 10:00am - 10:50am	Seats (Total: 90) JMZ 0220

ENME392 **Statistical Methods for Product and Processes Development**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH241 and ENME202. Restriction: Permission of the Mechanical Engineering Department.

Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities.

Delivered via ITV.

0101	Michel Cukier TuTh 11:00am - 12:15pm	Seats (Total: 120) JMP 3201
0201	David Bigio Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 120) JMP 3201 JMP 3201

ENME400 **Machine Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in ENME361. Restriction: Permission of ENGR-Mechanical Engineering department.

Design of mechanical elements and planar machines. Failure theories. Design of pressure vessels, joints, rotating elements, and transmission elements. Kinematic structures, graphical, analytical, and numerical analysis and synthesis of linkages, gear trains, and flywheels are covered.

0101	Chandrasekhar Thamire MW 9:00am - 9:50am F 11:00am - 12:50pm	Seats (Total: 85) CSI 2117 CSI 3117	Discussion
0201	Chandrasekhar Thamire TuTh 10:00am - 10:50am Th 4:00pm - 5:50pm	Seats (Total: 95) CCC 1205 BPS 1250	Discussion

ENME401 **Entrepreneurial Design Realization**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must have senior standing and permission of instructor. Cross-listed with: ENES401. Credit only granted for: ENME401, ENME489B or ENES401. Formerly: ENME489B.

The vision for this course, and an aspect that makes it unique, is to expose students to the opportunities and challenges of bringing a product design to reality (entrepreneurship). The emphasis is on environmentally and socially sustainable projects. The end-product of this course will be full-scale implementations or complete design "packages" that can be taken to potential stakeholders.

0201	Vincent Nguyen TuF 2:00pm - 3:15pm	Seats (Total: 18) EGL 0105

ENME408 **Selected Topics in Engineering Design; Automotive Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Creativity and innovation in design. Generalized performance analysis, reliability and optimization as applied to the design of components and engineering systems. Use of computers in design of multivariable systems.

Restriction: Must be in Engineering: Mechanical program; and senior standing. Or permission of ENGR-Mechanical Engineering department. Repeatable to 6 credits if content differs. Creativity and innovation in design. Generalized performance analysis, reliability and optimization as applied to the design of components an engineering systems. Use of computers in design of multivariable systems.

0101	Len Hamilton MW 5:00pm - 6:15pm	Seats (Total: 60) KEB 1110

ENME416 **Additive Manufacturing**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME331. And ENME272; or ENME414. Restriction: Permission of ENGR-Mechanical Engineering department.

Develop a comprehensive understanding of fundamental additive manufacturing, 3D printing approaches, including: extrusion-based deposition, stereolithography, powder bed-based melting, and inkjet-based deposition. Cultivate a design for-additive manufacturing skillset for CAD and CAM methodologies to produce successful 3D prints. Fabricate 3D mechanical objects using a variety of 3D printing technologies on campus. Execute a design project that demonstrates how additive manufacturing technologies can overcome critical limitations of traditional manufacturing processes.

0101	Ryan Sochol MWF 1:00pm - 1:50pm	Seats (Total: 30) JMP 2121
0201	Ryan Sochol MWF 1:00pm - 1:50pm	Seats (Total: 20) ONLINE

ENME422 **Indoor Environment and Mechanical Systems**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES232 and ENME332. Jointly offered with: ENME753. Credit only granted for: ENME422 or ENME753.

Fundamentals of indoor air quality and its measurements. Exploration of air cleaning technologies for gaseous, particulate and infectious agent contaminants. Simulations of air flow and contaminants with multi-zone models to allow testing of both contaminant dispersion in buildings and effectiveness of air cleaning technologies.

0101	Jelena Srebric MW 12:00pm - 1:15pm	Seats (Total: 15) HBK 0125

ENME423 **Modern Climate Control and Building Energy Design/Analysis**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES232. Corequisite: ENME332. Restriction: Permission of ENGR-Mechanical Engineering department.

Fundamentals and design calculations of heat and moisture transfer in buildings; evaluation of cooling, heating and power requirements of buildings; building energy consumption simulations, use of alternative energy and energy conservation measures in buildings; fundamentals of fans/pumps and air/water distribution in buildings; introduction to refrigeration and energy systems for data centers and other mission-critical facilities.

0101	Michael Ohadi	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	EGR 1104

ENME425 **Energy Conversion Systems for Sustianability**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES232. Restriction: Permission of the Mechanical Engineering Department. Credit only granted for: ENME489X or ENME425. Formerly: ENME489X.

Focus on energy sustainability with view on changing global energy availability and use. Addresses the objective of greatly reducing our dependence on the finite amounts of fossil energy sources available for our quest to achieve environmentally benign sustainable energy for green environment. The emphasis will be on sustainability issues, discussion on supply, demand and storage, energy transmission, global warming and carbon management, biomass-resources, uses and production of biofuels, national energy policy discussion, carbon emission, energy security and economics to ensure future energy needs can be met without compromising the ability of future generation to meet their own needs with due considerations to increase in global temperatures.

0101	Ashwani Gupta	Seats (Total: 17)
	Th 4:00pm - 6:40pm	JMP 2217

ENME426 **Production Management**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: BMGT385 or ENME426.

The basic concepts and models needed to understand and design manufacturing systems, including the history of manufacturing, performance measures, queuing systems, variability, production planning and scheduling, lean manufacturing, and pull production control.

0101	Moneer Helu	Seats (Total: 53)
	MW 2:00pm - 3:15pm	ATL 1113

ENME430 **Fundamentals of Nuclear Reactor Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH246. Restriction: Permission of ENGR-Mechanical Engineering department.

Fundamental aspects of nuclear physics and nuclear engineering, including nuclear interactions; various types of radiation and their effects on materials and humans; and basic reactor physics topics, including simplified theory of reactor critically.

0101	Mahmoud Massoud	Seats (Total: 39)
	TuTh 2:00pm - 3:15pm	JMP 2222

ENME432 **Reactor and Radiation Measurements Laboratory**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME430 and MATH246. Restriction: Permission of ENGR-Mechanical Engineering department.

Basics concepts of nuclear radiation and radiation detectors including types of radiation, radioactive decay, and interactions of radiation with matter.

0101	Amber Johnson Class time/details on ELMs M 3:00pm - 6:00pm	Seats (Total: 10) ONLINE MTH B0431	 Lab
0102	Amber Johnson Class time/details on ELMs W 3:00pm - 6:00pm	Seats (Total: 10) ONLINE MTH B0431	 Lab

ENME434 **Engineering Quantum Systems and Sensors**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS270 and MATH141. Recommended: Any MATH 240, MATH 461, MATH341, or ENEE290 or equivalent courses covering linear algebra, eigenvalues, and eigenvectors. Restriction: Permission of Mechanical Engineering department. Jointly offered with: ENME692. Credit only granted for: ENME434 or ENME692.

Designed for students interested in learning quantum mechanics from a technological perspective, illustrated through specific examples from quantum engineering at the nanoscale and from discrete quantum systems. The focus is not on textbook examples such as hydrogen atom solutions and angular momentum algebra. Instead, focus areas would be quantum sensors and systems, description and control of quantum noise, which should elicit particular appeal across many areas of engineering and physical sciences. The course will prepare students for emerging quantum technologies besides computing and cryptography that are part of the Quantum 2.0 revolution.

Students in the Quantum Science and Engineering minor who have not completed PHYS270/271 must complete PHYS360 with a minimum grade of C- in order to be eligible for ENME434.

0101	Avik Dutt TuTh 3:30pm - 4:45pm	Seats (Total: 20) CHE 2118	

ENME440 **Applied Machine Learning for Engineering and Design**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME392; or permission of instructor. Restriction: Permission of ENGR-Mechanical Engineering department. Jointly offered with: ENME743. Credit only granted for: ENME440 or ENME743.

Learn how to apply techniques from Artificial Intelligence and Machine Learning to solve engineering problems and design new products or systems. Design and build a personal or research project that demonstrates how computational learning algorithms can solve difficult tasks in areas you are interested in. Master how to interpret and transfer state-of-the-art techniques from computer science to practical engineering situations and make smart implementation decisions.

0101	Davis McGregor	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	EGR 0108

ENME441 **Mechatronics and the Internet of Things**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME351. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME489B or ENME441. Formerly: ENME489B.

Mechatronics and the Internet of Things combines sensors, actuators, computation, and communication to realize integrated objects capable of robust Internet-based interfacing. Students will gain experience with circuit development, mechatronic systems, MicroPython coding, and Internet communication protocols using the ESP32 microcontroller platform. The project-focused course combines lectures and hands-on labs to drive learning at the convergence of mechanics, electronics, and software domains for IoT smart object development.

0101	Don DeVoe	Seats (Total: 60)
	MW 3:30pm - 4:45pm	HJP 2242

ENME444 **Assistive Robotics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME351; and must have completed or be concurrently enrolled in ENME462. Restriction: Permission of ENGR-Mechanical Engineering department.

Fundamentals of assistive robots used in a wide varietyof ways to help humans with disabilities. Three application areas will be covered: (1) Rehabilitation robotics to recover motor function from neurologic injuries such as stroke, (2) Prosthetics to enable mobility function in amputees, and (3) Social robotics for cognitive impairment and developmental disorders such as autism. Theory behind different control systems employed by assistive robotics, as well as the mechanical design, sensors & actuators, and user interfaces behind representative robots in the respective areas. Guidelines for designing assistive robots. Ethical and regulatory considerations in the design of assistive robots.

0101	Hugh Bruck	Seats (Total: 34)
	TuTh 12:30pm - 1:45pm	EGR 0135

ENME454 **Vehicle Dynamics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Corequisite: ENME361. Restriction: Permission of ENGR-Mechanical Engineering department.

The fundamentals of passenger vehicle and light truck design and vehicle dynamics are covered. The engineering principles associated with acceleration, braking, handling, ride quality, aerodynamics, and tire mechanics are discussed, as well as suspension and steering design.

0101	Vincent Nguyen MW 3:30pm - 4:45pm	Seats (Total: 66) MCB 1207	

ENME462 **Vibrations, Controls, and Optimization II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME361. Restriction: Permission of the Mechanical Engineering Department.

Continuation of ENME361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems.

Delivered via ITV.

0101	Amr Baz MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 40) JMP 3201 KEB 2111	Discussion
0102	Amr Baz MW 10:00am - 10:50am F 3:00pm - 4:50pm	Seats (Total: 40) JMP 3201 KEB 2111	Discussion
0103	Amr Baz MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 40) JMP 3201 KEB 2111	Discussion
0201	Yancy Diaz-Mercado MW 10:00am - 10:50am M 2:00pm - 3:50pm	Seats (Total: 42) CSI 3117 KEB 2111	Discussion
0202	Yancy Diaz-Mercado MW 10:00am - 10:50am M 11:00am - 12:50pm	Seats (Total: 42) CSI 3117 KEB 2111	Discussion

ENME467 **Engineering for Social Change**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Junior standing or higher. Cross-listed with: ENES467. Credit only granted for: ENES467 or ENME467. Additional information: Students in the Mechanical Engineering (ENME) major should register for ENME467, all other majors should register under ENES467.

Critical analysis of issues at the intersection of engineering, philanthropy and social change. How engineering design, products and processes have created social change in the past and will do so in the future through both intended and unintended consequences. Topics covered include energy, sustainability and climate change, autonomy, the digital future, low cost engineering, manufacturing, philanthropy, ethics and the impact of electronics on society, among others. Faculty and external experts will engage with students on these topics. Students will broadly engage with organizations involved in using technology for positive social impact.

0101	Sami Ainane F 1:00pm - 3:40pm	Seats (Total: 70) IRB 1116

ENME470 **Finite Element Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Senior standing; and permission of ENGR-Mechanical Engineering department.

Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.

0101	Peter Chung TuTh 12:30pm - 1:45pm	Seats (Total: 48) JMP 2116

ENME472 **Integrated Product and Process Development**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: CS

Prerequisite: ENME331, ENME361, ENME351, and ENME371; and must have completed or be concurrently enrolled in ENME332. Restriction: Permission of the Department of Mechanical Engineering.

Integration of product development with the development process. Design strategies. Product architecture. Design for manufacturing. Selection of materials. Design for assembly.

0101	Miao Yu MW 10:00am - 11:50am	Seats (Total: 30) EGL 0105
0102	David Bigio MW 12:00pm - 1:50pm	Seats (Total: 30) EGL 0105

0104	Elisabeth Smela TuTh 10:00am - 11:50am	Seats (Total: 30) EGL 0105
0105	Aris Cleanthous TuTh 12:00pm - 1:50pm	Seats (Total: 30) EGL 0105

ENME473 **Mechanical Fundamentals of Electronic Systems**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME351. Restriction: Permission of the Department of Mechanical Engineering. Jointly offered with: ENME690. Credit only granted for: ENME473 or ENME690.

An understanding of the fundamental mechanical principles used in design of electronic devices and their integration into electronic systems will be provided. Focus will be placed on the effect of materials compatibility, thermal stress, mechanical stress, and environmental exposure on product performance, durability and cost. Both electronic devices and package assemblies will be considered. Analysis of package assemblies to understand thermal and mechanical stress effects will be emphasized through student projects.

Delivered via ITV.

0101	Francis McCluskey TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMP 2121

ENME479 **Selected Topics in Mechanical Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Covers current topics in mechanical engineering and related fields.

Contact department for information to register for this course.

ENME480 **Introduction to Robotics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH246 or ENES221; and (CMSC131, ENME202, ENAE202 or ENEE150). Restriction: Must be in the Robotics and Autonomous Systems minor; or Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME480 or ENMT380.

An introductory course in robotics that will educate students in the elementary concepts of robotics. The course will encompass both theory and experiments.

0101	Nikhil Chopra MW 2:00pm - 2:50pm Th 12:00pm - 2:00pm	Seats (Total: 27) TWS 1100 KEB 2111	 Lab

0102	Nikhil Chopra MW 2:00pm - 2:50pm F 8:00am - 10:00am	Seats (Total: 26) TWS 1100 KEB 2111	Lab
0103	Nikhil Chopra MW 2:00pm - 2:50pm Tu 12:00pm - 2:00pm	Seats (Total: 27) TWS 1100 KEB 2107	Lab

ENME488 **Special Problems**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced problems in mechanical engineering with special emphasis on mathematical and experimental methods.

Limited to mechanical engineering seniors.

Contact department for information to register for this course.

ENME489 **Special Topics in Mechanical Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

Contact department for information to register for this course.

ENME489F **Special Topics in Mechanical Engineering; Dynamics of Atmospheric Flight**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

Prerequisite: ENME331.

0101	David Findlay W 3:30pm - 6:10pm	Seats (Total: 10) ONLINE	

ENME489O **Special Topics in Mechanical Engineering; Design for Manufacturing and Assembly**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Selected topics of current importance in mechanical engineering.

Prerequisite: ENME382. Restriction: permission of department.

0101	Mohammad Fazelpour MW 1:00pm - 2:15pm	Seats (Total: 40) AJC 2121	

ENME489U **Special Topics in Mechanical Engineering; Fluid Structure Interactions**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

Prerequisites: ENME361 and ENME331.

0101	Eleonora Tubaldi TuTh 9:30am - 10:45am	Seats (Total: 10) EGR 2154

ENME489V **Special Topics in Mechanical Engineering; Mechanical Contracting**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

0101	Michael Mack Th 8:00am - 10:40am	Seats (Total: 30) ANS 0412

ENME489Z **Special Topics in Mechanical Engineering; Structural Mechanics - Aerospace Applications**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in mechanical engineering.

Prerequisite: ENES220 and MATH246. Restriction: permission of department.

Contact department for information to register for this course.

ENME605 **Advanced Systems Control**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENME462; or permission of instructor.

Modern control theory for both continuous and discrete systems. State space representation is reviewed and the concepts of controllability and observability are discussed. Design methods of deterministic observers are presented and optimal control theory is formulated. Control techniques for modifying system characteristics are discussed.

0101	Yancy Diaz-Mercado MW 12:30pm - 1:45pm	Seats (Total: 25) EGR 3114

ENME610 **Engineering Optimization**

Credits: 3

Grading Method: Regular, Audit

Overview of applied single- and multi- objective optimization and decision making concepts and techniques with applications in engineering design and/or manufacturing problems. Topics include formulation examples, concepts, optimality conditions, unconstrained/constrained methods, and post-optimality sensitivity analysis. Students are expected to work on a semester-long real-world multi-objective engineering project.

0101	Shapour Azarm	Seats (Total: 25)
	Tu 4:00pm - 6:40pm	EGR 3114

ENME631 **Advanced Conduction and Radiation Heat Transfer**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENME332; or students who have taken courses with comparable content may contact the department; or permission of instructor.

Theory of conduction and radiation. Diffused and directional, poly- and mono-chromatic sources. Quantitative optics. Radiation in enclosures. Participating media. Integrodifferential equations. Multidimensional, transient and steady-state conduction. Phase change. Coordinate system transformations.

0101	Bao Yang	Seats (Total: 25)
	MW 2:00pm - 3:15pm	MTH 0104

ENME640 **Fundamentals of Fluid Mechanics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed partial differential equations at the level of MATH 462; or permission of ENGR-Mechanical Engineering department. Formerly: ENME651.

Equations governing the conservation of mass, momentum, vorticity and energy in fluid flows. Low Reynolds number flows. Boundary layers. The equations are illustrated by analyzing a number of simple flows. Emphasis is placed on physical understanding to facilitate the study of advanced topics in fluid mechanics.

0101	Siddhartha Das	Seats (Total: 30)
	MW 3:30pm - 4:45pm	MTH 0401

ENME645 **Fluid-Structure Interactions**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENME331 and ENME361. Restriction: Must be a student in the Clark School of Engineering. Credit only granted for: ENME498U, ENME645 or ENME809C. Formerly: ENME809C.

Fundamentals of fluid-structure interactions, fluid-elastic instabilities (buckling, flutter, galloping) and their engineering applications. Possible domains of applications are civil engineering, aerospace engineering, ocean engineering, biomechanics, and soft robotics. Examples include tall bridges, aircraft wing, parachutes, solid rocket motor, turbomachinery, offshore platform, subsea pipelines, paper printing, MEMS mircochannels, blood flow in arteries, and heart valves. The fish swimming mechanics with be studied to inspire novel efficient propulsion mechanisms for soft robotics applications.

0101	Eleonora Tubaldi TuTh 9:30am - 10:45am	Seats (Total: 15) EGR 2154

ENME662 **Linear Vibrations**

Credits: 3 Grading Method: Regular, Audit

Development of equations governing small oscillations and spatially continuous systems. Newton's equations, Hamilton's principle, and Lagrange's equations. Free and forced vibrations of mechanical systems. Modal analysis. Finite element discretization and reductions of continuous systems. Numerical methods. Random vibrations.

0101	Amr Baz MW 5:00pm - 6:15pm	Seats (Total: 25) EGR 1104

ENME690 **Mechanical Fundamentals of Electronic Systems**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENME351; or equivalent. Jointly offered with: ENME473. Credit only granted for: ENME473 or ENME690.

An understanding of the fundamental mechanical principles used in design of electronic devices and their integration into electronic systems will be provided. Focus will be placed on the effect of materials compatibility, thermal stress, mechanical stress, and environmental exposure on product performance, durability and cost. Both electronic devices and package assemblies will be considered. Analysis of package assemblies to understand thermal and mechanical stress effects will be emphasized through student projects.

0101	Francis McCluskey TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMP 2121
ER01	Francis McCluskey Class time/details on ELMs	Seats (Total: 15) ONLINE
RE01	Francis McCluskey Class time/details on ELMs	Seats (Total: 5) ONLINE

ENME692 **Engineering Quantum Systems and Sensors**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PHYS270 and MATH141. Recommended: Any MATH 240, MATH 461, MATH341, or ENEE290 or equivalent courses covering linear algebra, eigenvalues, and eigenvectors . Jointly offered with: ENME434. Credit only granted for: ENME434 or ENME692.

Designed for students interested in learning quantum mechanics from a technological perspective, illustrated through specific examples from quantum engineering at the nanoscale and from discrete quantum systems. The focus is not on textbook examples such as hydrogen atom solutions and angular momentum algebra. Instead, focus areas would be quantum sensors and systems, description and control of quantum noise, which should elicit particular appeal across many areas of engineering and physical sciences. The course will prepare students for emerging quantum technologies besides computing and cryptography that are part of the Quantum 2.0 revolution.

0101	Avik Dutt	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	CHE 2118

ENME694 **Fundamentals of Optics and Optical Systems for Engineers**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENME694 or ENME808Z. Formerly: ENME808Z.

This unique course is designed to teach the fundamentals of optics and optical systems for engineering students, more specifically (1) to familiarize students with the optical principles and applications, and (2) to help them learn the method details and develop skills for research and development. The key concepts are presented, with an emphasis on their physical meanings rather than theoretical and mathematical meanings, to help create a better understanding of optics for engineering applications.

0101	Bongtae Han	Seats (Total: 20)
	MW 3:30pm - 4:45pm	MTH 0102

ENME722 **Equilibrium Modeling in Engineering**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Credit only granted for: ENCE722 or ENME722.

Provide motivation and introduction to equilibrium models involving economics and engineering. We will concentrate on models involving markets (Nash-Cournot, etc.), those wherein the activities are spatially diverse, those involving energy activities or traffic flow, as well as selected other examples in mechanical engineering. Areas that will be covered include:Review of relevant optimization theory, presentation of the mixed complementarity problem (MCP) and variational inequality problem (VIP) formats to solve equilibrium problems as well as introduction to existence and uniqueness results, review of relevant game theory notions, presentation of specific models for engineering-economic applications, presentations for algorithms to solve these equilibrium problems.

0101	Steven Gabriel Tu 9:30am - 12:00pm	Seats (Total: 15) JMP 2120
ER01	Steven Gabriel Tu 9:30am - 12:00pm	Seats (Total: 10) ONLINE
RE01	Steven Gabriel Tu 9:30am - 12:00pm	Seats (Total: 5) ONLINE

ENME743 **Applied Machine Learning for Engineering and Design**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: Must have completed undergraduate level Statistics (ENME392 or equivalent), or permission of the instructor. Jointly offered with: ENME440. Credit only granted for: ENME440 OR ENME743.

Learn how to apply techniques from Artificial Intelligence and Machine Learning to solve engineering problems and design new products or systems. Design and build a personal or research project that demonstrates how computational learning algorithms can solve difficult tasks in areas you are interested in. Master how to interpret and transfer state-of-the-art techniques from computer science to practical engineering situations and make smart implementation decisions.

0101	Davis McGregor TuTh 11:00am - 12:15pm	Seats (Total: 20) EGR 0108

ENME744 **Additive Manufacturing**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENME272 and ENME331; or students who have taken courses with comparable content may contact the department. Jointly offered wit h ENME416. Credit only granted for: ENME 416 OR ENME 744.

Develop a comprehensive understanding of fundamental additive manufacturing-alternatively, "three-dimensional (3D) printing-approaches, including extrusion-based deposition, stereolithography, powder bed-based melting, and inkjet-based deposition. Cultivate a "design-for-additive manufacturing" skill set for combining computer-aided design (CAD) and computer-aided manufacturing (CAM) methodologies to produce successful 3D prints. Fabricate 3D mechanical objects using a variety of 3D printing technologies on campus. Execute a design project that demonstrates how additive manufacturing technologies can overcome critical limitations of traditional manufacturing processes.

0101	Ryan Sochol MWF 1:00pm - 1:50pm	Seats (Total: 20) JMP 2121

DE01	Ryan Sochol	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ENME750 **Applied System Identification**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENME808R or ENME750. Formerly: ENME 808R.

An introductory graduate level course on system identification, which concerns various methods and techniques for data-driven modeling and estimation of dynamical systems.

0101	Jin-Oh Hahn	Seats (Total: 20)
	MW 11:00am - 12:15pm	EGR 1110

ENME753 **Indoor Environment and Mechanical Systems**

Credits: 3 Grading Method: Regular, Audit

Jointly offered with: ENME422. Credit only granted for: ENME422, ENME753, or ENME808U. Formerly: ENME808U.

Fundamentals of indoor air quality and its measurements. Exploration of air cleaning technologies for gaseous, particulate and infectious agent contaminants. Simulations of air flow and contaminants with multi-zone models to allow testing of both contaminant dispersion in buildings and effectiveness of air cleaning technologies.

0101	Jelena Srebric	Seats (Total: 10)
	MW 12:00pm - 1:15pm	HBK 0125

ENME799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENME808 **Advanced Topics in Mechanical Engineering**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

ENME808Q **Advanced Topics in Mechanical Engineering; Modern Climate Control and Building Energy Design/Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENES232. Corequisite: ENME332. Restriction: Permission of ENGR-Mechanical Engineering department. Fundamentals and design calculations of heat and moisture transfer in buildings; evaluation of cooling, heating and power requirements of buildings; building energy consumption simulations, use of alternative energy and energy conservation measures in buildings; fundamentals of fans/pumps and air/water distribution in buildings; introduction to refrigeration and energy systems for data centers and other mission-critical facilities.

0101	Michael Ohadi TuTh 12:30pm - 1:45pm	Seats (Total: 8) EGR 1104

ENME808X **Advanced Topics in Mechanical Engineering; Energy Conversion Systems for Sustianability**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

0101	Ashwani Gupta Th 4:00pm - 6:40pm	Seats (Total: 10) JMP 2217
ME01	Ashwani Gupta Class time/details on ELMs	Seats (Total: 5) ONLINE

ENME809 **Special Topics in Mechanical Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Covers current topics in mechanical engineering and related fields.

Contact department for information to register for this course.

ENME898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENMT Mechatronics Engineering Fall 2025

ENMT301 **Structural Dynamics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENES220. Restriction: Must be in the Mechatronics Engineering program.

An introduction to modeling and structural analysis of mechatronic structures subject to dynamic loading. It deals with preliminary analysis of primary structure for mechatronics components, including such topics as load determination, torsion, bending, shear, buckling, fatigue and thermal analysis of thin-walled structures. Emphasis is placed on solving problems by finding the differential equations of motion of model systems and solving these equations analytically or numerically in Matlab.

ESG1	Colleen Murray	Seats (Total: 15)	
	TuTh 1:45pm - 3:00pm Tu 3:15pm - 5:15pm	BLD4 5321 BLD4 5210	 Lab
	Restricted to students in the Mechatronics Engineering Program at USG.		

ENMT322 Discrete Signal Analysis

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH246. Restriction: Must be in the Mechatronics Engineering program.

Analysis techniques for simulating resonances and impedances in systems that couple physical interactions electrical, mechanical, magnetic and piezoelectric domains. Analysis applied to modeling the electro-magneto-mechano-acoustic domain interactions in traditional loudspeaker designs, and can be extended to the design of sensors, energy harvesters and actuators.

ESG1	Gurtajbir Herr	Seats (Total: 15)	
	TuTh 12:15pm - 1:30pm Th 3:15pm - 5:15pm	BLD4 5321 BLD4 5210	 Lab
	Restricted to students in the Mechatronics Engineering Program at USG.		

ENMT361 Mechatronics and Controls I

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in PHYS270 and PHYS271. Restriction: Must be in the Mechatronics Engineering program.

Basic instrumentation electronics including DC electronics, AC electronics, semiconductors, electro-optics and digital electronics. Sensing devices used to carry out experiments including meteorology, machine tool measurements, bridge circuits, optical devices, and introduction to computer based data acquisition.

ESG1	Young Choi	Seats (Total: 15)	
	MW 1:45pm - 3:00pm M 3:15pm - 5:15pm	BLD4 3321 BLD4 5210	 Lab
	Restricted to students in the Mechatronics Engineering Program at USG.		

ENMT380 Intro to Robotics

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENME202 or ENAE202; and minimum grade of C- in ENES221 and MATH246. Restriction: Must be in the Mechatronics Engineering program. Credit only granted for: ENMT380 or ENME480.

Introduces basic concepts for deployment of robotic systems in mechatronics. This course will introduce students to the elementary concepts in robotics, with emphasis on robotic manipulators. It will encompass both theory and laboratory components with programming on real manipulators.

ESG1	Gurtajbir Herr	Seats (Total: 15)	
	MW 12:15pm - 1:30pm	BLD4 5210	
	W 3:15pm - 5:15pm	BLD4 5210	Lab
	Restricted to students in the Mechatronics Engineering Program at USG.		

ENMT450 Robotics Programming

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENMT322.

Students continue to work within the Robot Operating System (ROS) as well as with many of the available tools commonly used in robotics. Lectures focus on theory and structure, whereas laboratory sections will focus on applications and implementations. Students learn how to create software and simulations, interface to sensors and actuators, and integrate control algorithms. Topics include ROS architecture, console commands, ROS packages, simulation environments, visualizations, autonomous navigation, manipulation, and robot vision.

ESG1	Nicholas Limparis	Seats (Total: 7)	
	MW 1:45pm - 3:00pm	BLD4 5210	
	M 10:00am - 12:00pm	BLD4 5210	Lab
	Restricted to students in the Mechatronics Engineering Program at USG.		

ENMT471 Advanced Manufacturing and Automation

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENMT372. Restriction: Must be in the Mechatronics Engineering program. Credit only granted for: ENMT471 or ENMT487. Formerly: ENMT487.

Introduction to manufacturing processes and the methods for automating them. Introduces computer-aided design to model parts and assemblies. Theory and practice of additive and subtractive manufacturing processes. Introduction to composite materials. Integrating automated machining into factories.

0101	Colleen Murray	Seats (Total: 7)	
	TuTh 12:15pm - 1:30pm	BLD4 5210	
	Th 10:00am - 12:00pm	BLD4 5210	Lab

ENMT473 **Motion Planning for Autonomous Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENMT332. Restriction: Must be in the Mechatronics Engineering program at the Universities at Shady Grove.

Autonomous systems (e.g., aircraft, vehicles, manipulators, and robots) must plan long-term movement that respects environmental constraints such as obstacles, other actors, and wind; system constraints such as kinematics, dynamics, and fuel; as well as factors such as time and safety. Robust autonomy also requires dealing with environmental changes, new information, and uncertainty. This course provides an overview of such problems and the methods used to solve them.

ESG1	Gurtajbir Herr	Seats (Total: 7)	
	TuTh 1:45pm - 3:00pm	BLD4 5210	
	Tu 10:00am - 12:00pm	BLD4 5210	Lab
	Restricted to students in the Mechatronics Engineering Program at USG.		

ENMT483 **Mechatronic Systems I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENMT362. Restriction: Must be in the Mechatronics Engineering degree program at the Universities at Shady Grove.

Covers the principles of mechatronic systems analysis and design. Students will learn performance analysis and optimization, design of systems including avionics, power, propulsion, human factors, structures, actuators and mechanisms, and thermal control. The course will also cover design processes and design synthesis. The course will conclude with students applying what they have learned so far with a project in mechatronic systems design.

ESG1	Nicholas Limparis	Seats (Total: 7)	
	MW 12:15pm - 1:30pm	BLD4 2231	
	W 10:00am - 12:00pm	BLD4 5210	Lab
	Restricted to students in the Mechatronics Engineering Program at USG.		

ENPM Engineering, Professional Masters Fall 2025

ENPM611 **Software Engineering**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Competency in one programming language is required, Python preferred.

Software engineering concepts, methods, and practices important to both the theorist and the practitioner will be covered. The entire range of responsibilities expected of a software engineer are presented. The fundamental areas of requirements development, software design, programming languages, and testing are covered extensively. Sessions on supporting areas such as systems engineering, project management, and software estimation are also included.

0101	Christopher Ackermann M 4:00pm - 6:40pm	Seats (Total: 45) JMP 2116
SW01	Karthikeyan Chandrashekar Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM613 **Software Design & Implementation**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENPM611. Restriction: Permission of Maryland Applied Graduate Engineering.

Covers the software design process, from understanding the need or problem, to creating suitable architecture and detailed design solutions, to preserving and evolving the design during implementation and maintenance. The main study topics include: requirements analysis models; user centered design; architecture design through decomposition and composition; architecture styles and architecture tactics for supporting various quality attributes such as security and usability; design for reuse and with reuse; detailed design object-oriented principles (such as SOLID) and design patterns; approaches for evaluating, comparing, and selecting design solutions; standard notations for documenting architecture views, detailed design, and analysis models; and industry standards for creating design deliverables. Students will acquire not only technical knowledge, but also soft skills such as communication, collaborations, critical thinking, leadership, negotiation, and time management.

0101	Tony Barber Tu 7:00pm - 9:40pm	Seats (Total: 52) JMP 2121
SW01	Tony Barber Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM615 **Embedded Systems**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed undergraduate courses in logic design, computer architecture, and programming.

Introduction to embedded systems design and evaluation: requirements, specification, architecture, hardware and software components, integration and performance evaluation. Topics include instruction sets, CPU, embedded computing platform, program design and analysis, operating systems, hardware accelators, multiprocessors, networks, and system analysis. Real-life embedded systems design examples will be used throughput the course to illustrate these concepts.

0101	Manoj Franklin Th 4:00pm - 6:40pm	Seats (Total: 39) JMP 2222
EB01	Manoj Franklin Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM622 **Energy Conversion I - Stationary Power**

Credits: 3 Grading Method: Regular, Audit

Thermal engineering of modern power generation systems. Cycle analysis of various modern power generation technologies including gas turbine, combined cycle, waste burning and cogeneration. Energy storage and energy transport.

0101	Patrick Caton Th 4:00pm - 6:40pm	Seats (Total: 35) JMP 2216
ME01	Patrick Caton Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM631 **Advanced Networking**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENPM694 or ENPM818O and ability to write code in one programming language and/or Undergraduate coursework in a programming language; or permission of instructor. Restriction: Permission of Maryland Applied Graduate Engineering.

Exploration of how such a variety of devices can use a big range of technologies to connect seamlessly to each other. In the second half of the course we translate the basic knowledge of the protocols to more hands-on exercises in containerization (Docker) and at the end we give an introduction to Kubernetes, that is an open-source system for automating deployment and management of containerized applications.

0101	Pedram Fard W 7:00pm - 9:40pm	Seats (Total: 35) JMP 2222
DE01	Pedram Fard Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM635 **Thermal Systems Design Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Undergraduate courses in thermodynamics, fluid mechanics and heat transfer. Credit only granted for: ENPM635 or ENME635.

Evaluates the trade-offs associated with thermal systems. Use of software for system simulation, evaluation and optimization. Applications include power and refrigeration systems, pipe flow systems, distillation columns, dehumidifying coils, and co-generation systems.

0101	Martin Cerza Tu 4:00pm - 6:40pm	Seats (Total: 25) JMP 2217
ME01	Martin Cerza Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM640 **Rehabilitation Robotics**

Credits: 3 Grading Method: Regular, Audit

Recommended: Basic understanding of linear time-invariant control systems (e.g. ENPM667) is preferred but not required. No background or previous experience in assistive robotics, human biomechanics, and/or neuroscience is required. Credit only granted for: ENPM808J, ENPM640, or ENME444. Formerly: ENPM808J.

An introduction to a field of robotics dedicated to improving the lives of people with disabilities. The course is designed for students wishing to learn more about rehabilitation robotics, one of the fasting growing fields of robotics. Rehabilitation robotics is the application of robots to overcome disabilities resulting from neurologic injuries and physical trauma, and improve quality of life. This course considers not only engineering design and development, but also the human factors that make some innovative technologies successful and others commercial failures. Engineering innovation by itself, without considering other factors such as evidence-based R&D and product acceptance, may mean that some technologies don't become or remain available or are inefficacious to aid their intended beneficiaries. This course differs from medical robotics in its focus on improving the quality of life through robot-mediated rehabilitation treatments, rather than improving or enhancing applications such as surgical interventions.

0101	Anindo Roy W 4:00pm - 6:40pm	Seats (Total: 25) JMP 2217
RO01	Anindo Roy Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM645 **Human-Robot Interaction**

Credits: 3 Grading Method: Regular, Audit

Recommended: Some knowledge of A.I. fundamentals and data analytics recommended, but not required. Credit only granted for: ENPM808K or ENPM645. Formerly: ENPM808K.

To define the intersection of human-robot interactions to include human-computer interfaces, as well as robotic emotions and facial expressions emulations. The result will provide a basis for students to assess the best approaches for interacting effectively with robots. Areas to be covered include biologically-inspired robotics, cognitive robotics, cultural and social aspects of robotics, data mining, examples of human systems interfaces, and machine learning with respect to A.I. principles and limitations.

0101	Josef Schaff W 7:00pm - 9:40pm	Seats (Total: 52) JMP 2121
RO01	Josef Schaff Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM662 **Introduction to Robot Modeling**

Credits: 3 Grading Method: Regular, Audit

Recommended: Students should have intermediate programming skills (Python) and basic algebra knowledge for this course.

This course introduces basic principles for modeling a robot. Most of the course is focused on modeling manipulators based on serial mechanisms. The course begins with a description of the homogenous transformation and rigid motions. It then introduces concepts related to kinematics, inverse kinematics, and Jacobians. This course then introduces Eulerian and Lagrangian Dynamics. Finally, the course concludes by introducing basic principles for modeling manipulators based on parallel mechanisms. The concepts introduced in this course are subsequently utilized in control and planning courses.

0101	Reza Monfaredi Th 7:00pm - 9:40pm	Seats (Total: 52) JMP 2121
RO01	Reza Monfaredi Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM665 **Cloud Security**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENPM809J or ENPM665. Formerly: ENPM809J.

Covers the fundamentals of securing cloud-based workloads from the ground up with many hands-on examples. Through these hands-on exercises the course will demonstrate where the similarities and differences are when securing the cloud compared to securing traditional IT.

0101	Thomas Dineen W 7:00pm - 9:40pm	Seats (Total: 75) JMP 3201
AEB1	Thomas Dineen Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM667 **Control of Robotic Systems**

Credits: 3 Grading Method: Regular, Audit

This is a basic course on the design of controllers for robotic systems. The course starts with mainstay principles of linear control, including a review of elementary concepts of systems, and discusses applications to independent joint control. The second part of the course introduces a physics-based approach to control design that uses energy and optimization principles to tackle the design of controllers that exploit the underlying dynamics of robotic systems. The course ends with an introduction to force control and basic principles of geometric control if time allows.

0101	Waseem Malik M 4:00pm - 6:40pm	Seats (Total: 35) JMP 2222
RO01	Waseem Malik Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM672 **Fundamentals for Thermal Systems**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Undergraduate engineering, physics or chemistry degree. Restriction: Permission of Maryland Applied Graduate Engineering.

Included in this course is an introduction to thermodynamics, fluid mechanics and heat transfer. Emphasis is on gaining an understanding of the physical concepts through the solving of numerical problems associated with simple thermal fluid processes and cycles. Both ideal gases and multiphase fluids will be considered as the working fluids.

0101	Siddhartha Das Tu 4:00pm - 6:40pm	Seats (Total: 17) JMP 2120
ME01	Siddhartha Das Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM680 **Introduction to Secure Coding for Software Engineering**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENPM809W or ENPM680. Formerly: ENPM809W.

Covers core concepts and techniques to analyze and characterize such security bugs, and potential ways to mitigate them. Concepts will be introduced and discussed within the context of an adversary intent on altering or subverting the behavior of the software with security impacts.

0101	Gananand Kini Tu 4:00pm - 6:40pm	Seats (Total: 52) JMP 2121
SW01	Gananand Kini Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM685 **Security Tools for Information Security**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Familiarity with Linux and Windows operating systems, as well as TCP/IP and basic networking concepts.

Students will perform host- and network-based security tasks relating to security, investigation, compliance verification and auditing using a wide selection of commonly used tools on both Windows and Linux platforms, with emphasis on open source tools.

0101	Kevin Shivers Tu 7:00pm - 9:40pm	Seats (Total: 35) JMP 2216
0201	Bertrand Sobesto W 4:00pm - 6:40pm	Seats (Total: 45) JMP 2116
CY01	Kevin Shivers Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM687 **Digital Forensics and Incidence Responses**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Experience with both Windows and Unix-based operating systems, including using the command line.

Students will implement a robust incident response methodology, including proper forensic handling of evidence, and cover legal aspects of national and international law regarding forensics. The bulk of the course covers evidence acquisition, preservation, analysis and reporting on multiple platforms.

0101	Ryan Kropff W 4:00pm - 6:40pm	Seats (Total: 75) JMP 3201

0201	Jonas Amoonarquah W 4:00pm - 6:40pm	Seats (Total: 38) JMP 2216
CY01	Jonas Amoonarquah Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM691 **Hacking of C programs and Unix Binaries**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENEE150 or equivalent.

Teaches the fundamentals of secure programming in C. An in depth discussion on various security vulnerabilities (e.g., buffer overflows) in C applications will be taught with hands-on demo of concepts during the class. Students will learn how a C program runs "under-the-hood". The course will teach nitty-gritty of C programs by analyzing at the assembly level. The course discusses best practices (e.g., coding standards) and design principles for secure programming so that security can be built-in during design time. In addition to assignments, students are required to present papers related to this course.

0101	Wiehrs Collier M 4:00pm - 6:40pm	Seats (Total: 80) JMP 3201
CY01	Wiehrs Collier Class time/details on ELMs	Seats (Total: 40) ONLINE

ENPM694 **Networks and Protocols**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENPM694 or ENPM818O.

Provides an in-depth review of the Internet with a focus on the end-to-end effects of technologies and protocols that operate in different layers. All protocols and technologies are covered in a holistic framework with an emphasis on their effect on the network and application performance. The course also includes a brief introduction of more modern concepts in the field of networking such as SDN and NFV to encourage deeper study of those topics.

0101	Majid Raissi-Dehkordi W 7:00pm - 9:40pm	Seats (Total: 48) JMP 2116
0201	Majid Raissi-Dehkordi W 1:00pm - 3:40pm	Seats (Total: 40) JMP 2116
CY01	Majid Raissi-Dehkordi Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM695 **Secure Operating Systems**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENPM691 and CMSC106; or permission of instructor. Restriction: Permission of Maryland Applied Graduate Engineering. Additional information: This course assumes knowledge of C programming and a previous operating systems class or knowledge in various issues such as process management, process synchronization, the critical section problem, CPU scheduling, memory management, secondary storage management.

Operating systems are the basic building block on which programmers build applications and on which security-minded professionals rely, whether they are monitoring activity on a computer, testing applications for security, or determining how malicious code affected their network. This course covers advanced topics in operating systems including process management and communication, remote procedure calls, memory management (including shared memory and virtual memory), checkpointing and recovery, file system, I/O subsystem and device management, distributed file systems and security. The course consists of reading and discussing research papers and includes a course project.

CY01	Ido Dubrawsky Class time/details on ELMs	Seats (Total: 40) ONLINE

ENPM696 **Reverse Software Engineering**

Credits: 3

Grading Method: Regular, Audit

*Prerequisite: ENEE150 or equivalent. Recommended: Proficiency with using a *nix command line in a shell of their choice, e.g., Bash, Zsh, csh. Ability to create and manage virtual machines running intel-based Linux and Windows distributions.*

An in-depth understanding of software reverse engineering concepts and hands-on training with reverse engineering tools, including disassemblers, decompilers, and code analyzers. Students will become familiar with both low-level software and the x86 instruction set through binary reversing sessions. This course also provides insights into many subjects such as system security, source code analysis, software design, and program understanding that will be beneficial in a variety of fields.

0101	Allen Hazelton, Michael Wittner F 2:00pm - 4:40pm	Seats (Total: 75) JMP 3201
SW01	Michael Wittner, Allen Hazelton Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM700 **Software Development for Robotics**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENPM702. Restriction: Permission of Maryland Applied Graduate Engineering. Credit only granted for: ENPM808X or ENPM700. Formerly: ENPM808X.

Teaches the tools and processes to develop professional quality software for deployed systems and products. Students will learn the best practices of taking new ideas or prototypes, and understanding what it takes to build the complex software that is so important to today's commercialized robotic systems.

0101	Tommy Chang Tu 7:00pm - 9:40pm	Seats (Total: 25) JMP 2217
RO01	Tommy Chang Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM702 **Introductory Robot Programming**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENPM809Y or ENPM702. Formerly: ENPM809Y .

This hands-on course will introduce students to the C++ programming language and is specifically designed for students who have had little to no programming experience in their previous studies.

0101	Zeid Kootbally Tu 7:00pm - 9:40pm	Seats (Total: 75) JMP 3201
RO01	Zeid Kootbally Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM703 **Fundamentals of AI and Deep Learning**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Linear algebra; Fundamentals of programming; Fundamentals of statistics. Credit only granted for: ENPM809K or ENPM703. Formerly: ENPM809K.

Fundamentals of machine learning techniques with a deep dive into cutting edge concepts that enabled neural networks to achieve state of the art performance in many visual, textual, and biomedical problems. Fundamental concepts like forward networks, convolution networks, recurrent neural networks, back propagation, loss functions, batch gradient descent, and stochastic optimization will be studied.

0101	George Zaki Th 7:00pm - 9:40pm	Seats (Total: 48) JMP 2116
CY01	George Zaki Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM808 **Advanced Topics in Engineering**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Advanced topics selected by the faculty for students in the professional master of engineering program. May be taken for repeated credit when identified by topic title.

0101	George Syrmos	Seats (Total: 40)
	Contact instructor or department for details.	

ENPM808N **Advanced Topics in Engineering; Solar Energy and Technologies**

Credits: 3

Grading Method: Regular, Audit

Advanced topics selected by the faculty for students in the professional master of engineering program. May be taken for repeated credit when identified by topic title.

This course is aimed at sharing knowledge and experiences in the solar energy and technology area. The goal is to provide students a general summary of the solar energy industries, their technologies, and prospectus in the future alternative energy field. It is also the hope that students will be able to utilize their knowledge in other related fields such as battery and energies.

ME01	Yang Li	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ENPM809V **Special Topics in Engineering; Advanced Hacking of Linux**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Special topics selected by the faculty for students in the professional master of engineering and graduate certificate in engineering program. May be taken for repeated credit when identified by topic title.

Prerequisite: ENPM691. This course provides an in-depth understanding of how to find flaws in Linux (both userspace and kernel space) and software within embedded devices (focusing on bare-metal software/firmware and hardware-focused techniques). Students will get an inside look at how modern operating systems and embedded devices protect their programs, flaws within the protection mechanisms, and how to exploit them. Although this is an offensive-focused course, mitigations to protect the programs will also be discussed.

0101	Michael Wittner	Seats (Total: 45)
	Tu 7:00pm - 9:40pm	JMP 2116
CY01	Michael Wittner	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ENPM818I **Variable Topics in Engineering; Embedded Software Design and Optimization**

Credits: 3

Grading Method: Regular, Audit

Variable topics selected by the faculty for students in the professional master of engineering and graduate certificate in engineering program. May be taken for repeated credit when identified by topic title.

This course covers the design and optimization of stable, maintainable, and secure embedded software systems. The main study topics include: Software engineering design and documentation artifacts; Information assurance and cybersecurity; CPU architectures, system components, and development tools; Operating system details; Programming models and tools; IO busses and networking protocols; and Low-level optimization techniques. Students will acquire not only technical knowledge, but also soft skills such as communication, collaborations, critical thinking, leadership, negotiation, and time management

0101	Wiehrs Collier M 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120
EB01	Wiehrs Collier Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM818L **Variable Topics in Engineering; Low Power Design for Embedded Systems**

Credits: 3 Grading Method: Regular, Audit

Variable topics selected by the faculty for students in the professional master of engineering and graduate certificate in engineering program. May be taken for repeated credit when identified by topic title.

Throughout the course, we delve into the mechanisms behind power consumption in embedded systems and explore various techniques employed to minimize power usage. Students will engage in hands-on projects where they gain practical experience in observing and measuring power consumption across different operational modes of an embedded system. Additionally, they will learn how to implement strategies to effectively reduce power consumption. Efficient power management is crucial for embedded systems, as it directly impacts their longevity and functionality. The course aims to provide students with a solid foundation in understanding power consumption within embedded systems. Moreover, we examine existing solutions to address the challenges associated with designing low-power embedded systems.

0101	Hassan Salmani W 7:00pm - 9:40pm	Seats (Total: 25) JMP 2217
EB01	Hassan Salmani Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM818M **Variable Topics in Engineering; Introduction to Networking and Distributed Systems 5G/6G**

Credits: 3 Grading Method: Regular, Audit

Variable topics selected by the faculty for students in the professional master of engineering and graduate certificate in engineering program. May be taken for repeated credit when identified by topic title.

Course includes basics of TCP/IP Stack, Applications Layers, Data Flow Layers, Data Encapsulation, Protocol Stack, Basic Network Terminology, Network Topology, ARP, BOOTP, DHCP, Local Area Network, Network Components, IPv4, ICMP, Transport Layer Protocols, Application Layer Protocols, Client/Server Models, Subnet/NAT, Routing, Switching, Basics of Distributed Systems, Wireless Protocols, 5G/6G, Edge, Cloud, Energy Consumptions. Course format includes lectures, homework, Quizzed, Two midterms, final project and exam. Course carries a perfect blend of theory and programming practices to prepare students for core network development and/or network architecture.

0101	Ashok Prajapati M 4:00pm - 6:40pm	Seats (Total: 29) JMP 2217
EB01	Ashok Prajapati Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM818N **Variable Topics in Engineering; Cloud Computing**

Credits: 3 Grading Method: Regular, Audit

Variable topics selected by the faculty for students in the professional master of engineering and graduate certificate in engineering program. May be taken for repeated credit when identified by topic title.

This course provides an in-depth exploration of cloud concepts, technologies, and applications. Students will learn about the fundamentals of cloud computing, its architecture, deployment models, and various services offered by major cloud providers. Practical hands-on exercises and real-world case studies will enable students to apply their knowledge to develop and deploy applications in the cloud. Overall, students will gain a comprehensive understanding of cloud computing concepts, technologies, and best practices, enabling them to design, implement, and manage applications and services in cloud environments.

0101	Everett Daviage W 4:00pm - 6:40pm	Seats (Total: 52) JMP 2121
0201	Manoj Khilnani Th 7:00pm - 9:40pm	Seats (Total: 35) JMP 2222
AEB1	Everett Daviage Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM818P **Variable Topics in Engineering; Linux System Administration**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Variable topics selected by the faculty for students in the professional master of engineering and graduate certificate in engineering program. May be taken for repeated credit when identified by topic title.

This course will provide a hand-ons experience with the installation, configuration and administration of Linux operating systems. Linux topics will include operating system architecture and components, task scheduling, memory and process management, device drivers, partitioning and file systems, boot processes, command line, customizing the environment, shell scripting, networking, and securing the system. The hands-on portion of the class will be an opportunity for the students to create and manage virtual machines, install Linux in virtual machines, work with the command line and various Linux tools to customize, administer and secure Linux-based systems. The lab sessions will also cover launching Linux cloud instances as well. To summarize, students will acquire the technical knowledge to install, customize, manage, and secure a system running a Linux Operating System.

0101	Uche Enwesi M 7:00pm - 9:40pm	Seats (Total: 25) JMP 2121
0201	Debra Beckham Tu 4:00pm - 6:40pm	Seats (Total: 35) JMP 2116
AEB1	Uche Enwesi Class time/details on ELMs	Seats (Total: 10) ONLINE

ENPM818R **Variable Topics in Engineering; Virtualization and Container Technologies**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Variable topics selected by the faculty for students in the professional master of engineering and graduate certificate in engineering program. May be taken for repeated credit when identified by topic title.

This course on virtualization and container technologies will cover a range of topics related to these two fundamental concepts in the field of IT and software development. This comprehensive course is designed to provide participants with an in-depth understanding of virtualization and container technologies, empowering them to architect and optimize modern IT infrastructures.

0101	Everett Daviage Th 7:00pm - 9:40pm	Seats (Total: 75) JMP 3201
AEB1	Everett Daviage Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM818Z **Variable Topics in Engineering; On-Road Automated Vehicles**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Variable topics selected by the faculty for students in the professional master of engineering and graduate certificate in engineering program. May be taken for repeated credit when identified by topic title.

Prereequisites: ENPM605 and ENPM673. This course provides a deep dive into the core technical and technological components of automated passenger vehicles for on-road applications. Students will explore the essential systems that enable self-driving capabilities, including perception, sensor fusion, localization, motion planning, and control. The course emphasizes a hands-on approach using CARLA and Autoware, allowing students to developand test advanced driving algorithms in simulated urban and highway environments, focusing on the challenges and requirements specific to passenger vehicle automation.

0101	Zeid Kootbally M 7:00pm - 9:40pm	Seats (Total: 18) JMP 2116
RO01	Zeid Kootbally Class time/details on ELMs	Seats (Total: 5) ONLINE

ENRE Reliability Engineering Fall 2025

ENRE489 **Special Topics in Reliability Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in reliability engineering.

Contact department for information to register for this course.

ENRE600 **Fundamentals of Failure Mechanisms**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Cross-listed with: ENMA626. Credit only granted for: ENMA626 or ENRE600.

Advanced failure mechanisms in reliability engineering wiil be taught from a basic materials and defects point of view. The methods of predicting the physics of failure of devices, materials, components and systems are reviewed. The main emphasis will be given to basic degradation mechanisms through understanding the physics, chemistry, and mechanics of such mechanisms. Mechanical failures are introduced through understanding fatigue, creep and yielding in materials, devices and components. The principles of cumulative damage and mechanical yielding theory are taught. The concepts of reliability growth, accelerated life testing, environmental testing are introduced. Physical, chemical and thermal related failures are introduced through a basic understanding of degradation mechanisms such as diffusion, electromigration, defects and defect migration. The failure mechanisms in basic material types will be taught. Failure mechanisms observed in real electronic devices and electronic packaging will also be presented. Problems related to manufacturing, and microelectronics will be analyzed. Mechanical failures are emphasized from the point of view of complex fatigue theory.

Sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

0101	Abhijit Dasgupta W 1:00pm - 3:40pm	Seats (Total: 29) JMP 2217
ER01	Abhijit Dasgupta Class time/details on ELMs	Seats (Total: 20) ONLINE
RE01	Abhijit Dasgupta Class time/details on ELMs	Seats (Total: 4) ONLINE

ENRE602 **Principles of Reliability Analysis**

Credits: 3 Grading Method: Regular, Audit

Principal methods of reliability analysis, including fault tree and reliability block diagrams; Failure Mode and Effects Analysis (FMEA); event tree construction and evaluation; reliability data collection and analysis; methods of modeling systems for reliability analysis. Focus on problems related to process industries, fossil-fueled power plant availability, and other systems of concern to engineers.

Sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

0101	Katrina Groth M 1:00pm - 3:40pm	Seats (Total: 20) JMP 2217
ER01	Katrina Groth Class time/details on ELMs	Seats (Total: 15) ONLINE
RE01	Katrina Groth Class time/details on ELMs	Seats (Total: 10) ONLINE

ENRE641 **Probabilistic Physics of Failure and Accelerated Testing**

Credits: 3 Grading Method: Regular, Audit

Models for life testing at constant stress. Graphical and analytical methods. Test plans for accelerated testing. Competing failure modes and size effects. Models and data analyses for step and time varying stresses. Optimizing of test plans.

0101	Mohammad Modarres W 12:00pm - 2:40pm	Seats (Total: 13) JMP 2222
ER01	Mohammad Modarres Class time/details on ELMs	Seats (Total: 15) ONLINE

RE01	Mohammad Modarres	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

ENRE645 **Human Reliability Analysis**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Methods of solving practical human reliability problems, cognitive and behavioral modeling, task analysis, performance shaping factors, error classification, distribution of human performance and uncertainty bounds, sources of human error probability data, human error risk mitigation, examples and case studies.

0101	Camille Levine	Seats (Total: 20)
	Tu 9:00am - 11:40am	JMP 2217
ER01	Camille Levine	Seats (Total: 10)
	Class time/details on ELMs	ONLINE
RE01	Camille Levine	Seats (Total: 5)
	Class time/details on ELMs	ONLINE

ENRE648 **Special Problems in Reliability Engineering**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

For students who have definite plans for individual study of approved problems. Credit given according to extent of work.

Contact department for information to register for this course.

ENRE648M **Special Problems in Reliability Engineering; Risk Analysis in Engineering and Economics**

Credits: 3 Grading Method: Regular, Audit

For students who have definite plans for individual study of approved problems. Credit given according to extent of work.

Cross-listed with ENCE489L, ENCE620, and ENSE698R. Credit only granted for ENCE489L, ENCE620, ENRE648M, or ENSE698R.

0101	Bilal Ayyub	Seats (Total: 20)
	W 2:00pm - 4:40pm	EGR 3114

ENRE799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENRE898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENSE Systems Engineering Fall 2025

ENSE621 **Systems Engineering Concepts and Processes: A Model-Based Approach**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ENGR-Institute for Systems Research. Credit only granted for: ENPM641 or ENSE621.

An INCOSE-oriented introduction to model-based systems engineering. Provides an overview of systems engineering concepts, processes and methods, with a particular focus on: the development of stakeholder and system requirements; characteristics of well-written requirements; the use of SysML software tools to develop of system- and element-level architectures; and the relationship between requirements and architecture. Architecture-related topics include specification and visualization of system attributes, behavior, and interfaces. Other topics include acquisition and development life cycle models; operational concepts and use cases; requirements and design traceability; analysis, modeling and simulation; systems engineering management; risk management; configuration management; systems-of-systems; and system complexity. The course includes a class project in which teams of 3-5 students use SysML to develop stakeholder requirements, system requirements, and a logical system architecture for an engineered system of interest to them and then perform a design trade-off analysis for some aspect of the system.

0101	Tony Barber Th 7:00pm - 9:40pm	Seats (Total: 22) JMP 2216
SY01	Tony Barber Class time/details on ELMs	Seats (Total: 15) ONLINE

ENSE623 **System Development, Verification, and Validation**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Institute for Systems Research; and ENSE622. Credit only granted for: ENPM643 or ENSE623.

This course completes the ENSE621, ENSE622 sequence. It covers system simulation development and a variety of verification and validation topics. It addresses development testing and operational testing; test methodologies; the planning of test programs and Test and Evaluation Master Plans (TEMPs); the planning and execution of tests; and the writing of test plans and test reports. Topics include verification methods; specification-based testing; test verification matrices; model-based verification; model checking and other formal approaches to verification; design of experiments; performance testing; reliability testing; usability/human factors testing; and other types of testing. The course includes a class project in which teams of 3-5 students: develop requirements for a simulation that supports a system analysis of interest (the user need); develop the simulation (in MATLAB); verify that it meets its requirements; and validate that it may be used to support the analysis of interest.

0101	Steven Biemer Th 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120
SY01	Steven Biemer Class time/details on ELMs	Seats (Total: 15) ONLINE

ENSE626 **System Life Cycle Analysis and Risk Management**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Institute for Systems Research.

This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Also covered, are relevant analytic tools from probability and statistics and also important managerial and organizational concepts. Extensive use is made of case studies and examples from industry and government.

0101	Dane Cooper M 7:00pm - 9:40pm	Seats (Total: 20) JMP 2222
SY01	Dane Cooper M 7:00pm - 9:40pm	Seats (Total: 15) ONLINE

ENSE698R **Special Topics in Systems Engineering; Risk Analysis in Engineering and Economics**

Credits: 3 Grading Method: Regular, Audit

Cross-listed with ENCE489L, ENCE620, and ENRE648M. Credit only granted for ENCE489L, ENCE620, ENRE648M, or ENSE698R.

0101	Bilal Ayyub W 2:00pm - 4:40pm	Seats (Total: 20) EGR 3114

ENSE699 **Directed Study in Systems Engineering**

Credits: 1-3 Grading Method: Sat-Fail

Directed study in Systems Engineering.

Contact department for information to register for this course.

ENSE799 **Systems Engineering Thesis; Masters Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

The application of systems engineering concepts, principles, and theories will be applied to the Master's Thesis project. Project/thesis work will be defined and selected early in student's program and supervised by a university faculty mentor.

Contact department for information to register for this course.

ENSP Environmental Science and Policy Fall 2025

ENSP101 **Introduction to Environmental Science**

Credits: 3 Grading Method: Regular CORE: PS General Education: DSNS

One of two required courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on scientific ways of knowing; the systems, cycles, flows, and interfaces that characterize the atmosphere, lithosphere, hydrosphere, and biosphere; the analysis of human impacts on these systems; and the nature of scientific uncertainty and methods of quantifying environmental processes.

0101	Annette Spivy TuTh 11:00am - 12:15pm Th 2:00pm - 2:50pm	Seats (Total: 25) SHM 2102 JMZ 2120	Discussion
0102	Annette Spivy TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 24) SHM 2102 JMZ 0120	Discussion
0103	Annette Spivy TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 24) SHM 2102 JMZ 0118	Discussion
0104	Annette Spivy TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 24) SHM 2102 TLF 0110	Discussion
0105	Annette Spivy TuTh 11:00am - 12:15pm Th 2:00pm - 2:50pm	Seats (Total: 25) SHM 2102 TYD 0102	Discussion

0106	Annette Spivy TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 24) SHM 2102 MTH 0407	Discussion
0107	Annette Spivy TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 24) SHM 2102 JMZ 0120	Discussion
FC01	Annette Spivy TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) SYM 0215	

ENSP305 **Applied Spatial Analysis in Environmental Science and Policy**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG373; or permission of Environmental Science and Policy Program. Recommended: ENSP101 and ENSP102. Restriction: Must have earned a minimum of 60 credits; and permission of Environmental Science and Policy program.

Intended for students interested in pursuing career or graduate research opportunities that will include identifying/querying/processing environmental datasets, detailed spatial analysis of environmental data, and applications of predictive environmental modeling. Students will learn necessary skills to analyze and process environmental data through hands-on training in commonly used software and a series of topical case studies. Data analysis and data processing will be taught using publicly available real-world environmental data sets.

0101	Annette Spivy TuTh 5:00pm - 6:15pm	Seats (Total: 23) ANS 0509

ENSP330 **Introduction to Environmental Law**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: ENSP101 and ENSP102. Restriction: Junior standing or higher. And must be a major in the Environmental Science and Policy program; or permission of Environmental Science and Policy program.

An overview of environmental law, from its common law roots to its role in the modern regulatory state, including an examination of major federal environment statutes and the policy debates inherent in them. Other areas covered include civil and criminal enforcement, standing to sue, land use control, and regulatory takings.

0101	Joanna Goger TuTh 11:00am - 12:15pm	Seats (Total: 35) HJP 2217

ENSP340 **Water: Science, Ethics, and Policy**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: ENSP101 and ENSP102. Restriction: Must have earned a minimum of 60 credits. And must be a major in the Environmental Science and Policy program; or permission of Environmental Science and Policy program.

Exploration of the science, policy, and ethical aspects of water resource protection and management. Focus on water pollution, water availability, ecosystems, and sustainability

0101	Caroline Boules	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	EGR 0135

ENSP360 **Every Drop Counts: Water, Food and Global Public Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENSP101 or MIEH300; or permission of department. Cross-listed with: MIEH333. Credit only granted for: MIEH333 or ENSP360.

In-depth interdisciplinary study of the public health issues related to water use for global food production. Topics will include accessibility and availability of safe water for agriculture worldwide, potential microbiological and chemical hazards in agricultural water, alternative water sources such as reclaimed wastewater and return flows, food safety approaches to managing agricultural water, and agricultural influences on surface and groundwater quality. Political, social, and economic factors relating to agricultural water will be addressed, with special focus on regions that are leaders in innovative water management and regions where access to clean water for agriculture is a major challenge.

0101	Leena Malayil	Seats (Total: 25)
	M 9:00am - 10:30am	ONLINE

ENSP386 **Internship**

(Perm req)

Credits: 3-6 Grading Method: Regular

Restriction: Must have internship proposal approved by the concentration advisor, the director of ENSP and the student's internship sponsor.

Contact department for information to register for this course.

ENSP399 **Special Topics in Environmental Science and Policy**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

A substantive and specialized examination of contemporary issues in environmental science or policy.

Contact department for information to register for this course.

ENSP399N **Special Topics in Environmental Science and Policy; Wildlife and Zoo Nutrition Management**

Credits: 1 Grading Method: Regular

A substantive and specialized examination of contemporary issues in environmental science or policy.

Smithsonian's National Zoo and Conservation Biology Institute has one of the county s oldest zoo nutrition departments, created in the late 1970s, supporting an active research program and nutrition lab (conducting both clinical, zoo-based and field-based studies) and a clinical program with two nutritionists responsible for the dietary management of the zoo collection. This course will be taught by both nutritionists. We will introduce comparative animal nutrition as it applies to animals in general and their management in a captive setting, with considerations for understanding wild populations. Primary topics will include an overview of nutrients and energy, digestive systems and metabolism, nutritional ecology and requirements, philosophy of diet formulation in a captive setting, considerations for in situ and ex situ nutrition research, and some practical applications to wildlife management, among other related subject matter.

0101	Annette Spivy W 2:00pm - 2:50pm	Seats (Total: 30) ONLINE

ENSP399R **Special Topics in Environmental Science and Policy; Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

A substantive and specialized examination of contemporary issues in environmental science or policy.

0601	Annette Spivy Contact instructor or department for details.	Seats (Total: 10)
1001	Jennifer Mullinax Contact instructor or department for details.	Seats (Total: 10)

ENSP400 **Capstone in Environmental Science and Policy**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

Prerequisite: ENSP101; and ENSP102. Restriction: Must be in Environmental Science and Policy program; and senior standing; and permission of the Environmental Science and Policy Program.

Integration of physical, biological, and social sciences with applications to environmental science and policy. Problem-solving and multi-disciplinary case study evaluations pertinent to contemporary and future issues related to the environment.

0101	Mark Carroll TuTh 12:30pm - 1:45pm	Seats (Total: 35) ESJ 1215
0102	Joanna Goger TuTh 12:30pm - 1:45pm	Seats (Total: 35) ESJ 1215

ENSP499 **Honors Thesis Research**

Credits: 1-6 Grading Method: Regular

Individual research, thesis, and oral defense. The research project will be conducted under the supervision of a faculty member.

Contact department for information to register for this course.

ENST Environmental Science and Technology Fall 2025

ENST111 Field Exploration in Environmental Science and Technology

Credits: 4 Grading Method: Regular

Restriction: Must be in the Environmental Science and Technology program; or by permission of the Environmental Science and Technology department.

Immerse yourself in the diverse aspects of the Environmental Science and Technology Department (ENST) with the Field Exploration in Environmental Science and Technology course. In this hands-on course, both the outdoors and the laboratory serve as your classroom. You will travel by foot, bus, and boat to a variety of ecosystems, from forests and wetlands to urban rivers and the open Bay. Along the way, you will explore many of the ecological challenges posed by human activities. Under expert guidance, you will learn and apply field methods and laboratory techniques, gaining a deeper understanding of how environmental scientists address humanity's grand challenges through scientific data collection and analysis. Each field experience, corresponding discussion, and laboratory analysis is designed to enhance your ecological literacy by engaging directly with the environment and the professionals working to understand and protect it.

0101	Jennifer Gunnulfsen, Lance Yonkos	Seats (Total: 25)	
	MWF 11:00am - 11:50am	ANS 0538	
	F 12:00pm - 3:00pm	ANS 0538	Lab

ENST115 Bats in Society: Human-Wildlife Relationships, Conflicts, & Solutions

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNS, SCIS

Credit only granted for: ENST115 or ENST215. Formerly: ENST215. Additional information: Students should expect to spend 1-3 hours across multiple nights deploying bat detectors (which will be provided by the instructor) at a location of their choosing. Safety protocols will be discussed and implemented.

How might an understanding of human-wildlife conflicts shape our approach to disease, ecology, and conservation? Should we care that we are losing wildlife, like bats? Across the globe, human societies have significantly harmed bat populations both intentionally and unintentionally. This course will delve into different bat population crisis causes as well as current and potential solutions, while addressing complex human-wildlife conflicts that need to be considered while solving them. During the course, students will get hands-on experience using highly sophisticated bat acoustic technology to identify bats to species-level. Lecture and discussion sections will focus on bat ecology, management techniques, newest bat identification techniques, data interpretation, and scientific presentation skills.

0101	Shannon Browne TuTh 11:00am - 12:15pm	Seats (Total: 30) ANS 0538	

ENST200 **Fundamentals of Soil Science**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Corequisite: CHEM131 and CHEM132; or permission of AGNR-Environmental Science & Technology department. Credit only granted for: ENST200 or NRSC200. Formerly: NRSC200.

Study and management of soils as natural bodies, media for plant growth, and ecosystem components. Morphology, composition, formation, and conservation of soils. Chemical, biological, and physical properties are discussed in relation to the production of plants, the functioning of hydrologic and nutrient cycles, the protection of environmental quality, and engineering uses of soils.

0101	Raymond Weil, Eni Baballari TuTh 3:30pm - 4:45pm Tu 5:00pm - 7:50pm	Seats (Total: 24) HJP 0226 HJP 0210	 Lab
0102	Raymond Weil, Eni Baballari TuTh 3:30pm - 4:45pm W 5:00pm - 7:50pm	Seats (Total: 24) HJP 0226 HJP 0210	 Lab
0103	Raymond Weil, Eni Baballari TuTh 3:30pm - 4:45pm Th 5:00pm - 7:50pm	Seats (Total: 24) HJP 0226 HJP 0210	 Lab
0104	Eni Baballari, Raymond Weil TuTh 3:30pm - 4:45pm Tu 9:30am - 12:20pm	Seats (Total: 24) HJP 0226 HJP 0210	 Lab

ENST233 **Introduction to Environmental Health**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNS

Examines how humans are affected by the quality of our air, water, soil and food supply as well as how human activities alter these survival necessities. Students will learn how the evolution and prosperity of human populations have resulted in degradation of our environment and the impact of environmental degradation on the health of people. The implications of individual and collective choices for sustainable food production, population management, and resource utilization will be explored.

0101	Lance Yonkos TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 22) ANS 0408 ANS 0412	 Discussion

0103	Lance Yonkos TuTh 9:30am - 10:45am M 4:00pm - 4:50pm	Seats (Total: 22) ANS 0408 ANS 0422	Discussion
0104	Lance Yonkos TuTh 9:30am - 10:45am W 4:00pm - 4:50pm	Seats (Total: 22) ANS 0408 ANS 0538	Discussion
FC01	Lance Yonkos TuTh 4:30pm - 5:45pm F 12:00pm - 12:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) ANS 0422 ANS 0412	Discussion

ENST281 Computer Aided Design in Ecology

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Basics of Computer Aided Drawing (CAD) applied to design of constructed ecosystems. Use of campus stormwater wetland as case study.

0101	Jose-Luis Izursa M 2:00pm - 2:50pm M 3:00pm - 5:00pm	Seats (Total: 20) ANS 0422 ANS 0509	Lab
0102	Jose-Luis Izursa M 2:00pm - 2:50pm W 3:00pm - 5:00pm	Seats (Total: 20) ANS 0422 ANS 0509	Lab

ENST282 Ecological Innovation and Entrepreneurship

Credits: 3 Grading Method: Regular, Audit

Ecotechnology innovation is taught with design thinking, which uses an iterative cycle of developing customer empathy, learning ecological technology, appreciating environmental stewardship, brainstorming, rapid prototyping, user experience, testing and redesign. Environment entrepreneurship is based on the Lean Startup process, which uses customer discovery, encourages quick product development, reduces start-up costs, tests ideas quickly, and employs designed experiments. A multidisciplinary academic setting embraces designing, building, testing and marketing novel technologies that enhance the environmental needs of humans. Students will learn in an active environment that requires working creatively, collaboratively, diligently, and precisely to create a business model and tangible prototype for a new commercial product.

0101	David Tilley MWF 10:00am - 10:50am	Seats (Total: 20) ANS 0422	

ENST301 **Field Soil Morphology I**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of AGNR-Environmental Science & Technology department. Formerly: ENST308.

This is a field-oriented course that introduces students to the techniques used to (1) describe soil morphology, and site and profile characteristics, (2) make land use interpretations based on soil characteristics, and (3) classify soils. This class is designed to prepare students for the Regional Collegiate Soil Judging Contest and for students to gain experience in the description and interpretation of soils in the field.

0101	Martin Rabenhorst	Seats (Total: 10)
	Contact instructor or department for details.	

ENST302 **Field Soil Morphology II**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENST301. Restriction: Permission of AGNR-Environmental Science & Technology department.

This is the second field-oriented course in a three course sequence that provides intermediate training for students in the techniques used to (1) describe soil morphology, and site and profile characteristics, (2) make land use interpretations based on soil characteristics, and (3) classify soils. This class is designed to prepare students for the Regional Collegiate Soil Judging Contest and for students to gain experience in the description and interpretation of soils in the field.

0101	Martin Rabenhorst	Seats (Total: 7)
	Contact instructor or department for details.	

ENST303 **Field Soil Morphology III**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENST302. Restriction: Permission of AGNR-Environmental Science & Technology department.

This is the third field-oriented course in a three course sequence that provides intermediate training for students in the techniques used to (1) describe soil morphology, and site and profile characteristics, (2) make land use interpretations based on soil characteristics, and (3) classify soils. This class is designed to prepare students for the Regional Collegiate Soil Judging Contest and for students to gain experience in the description and interpretation of soils in the field.

0101	Martin Rabenhorst	Seats (Total: 15)
	Contact instructor or department for details.	

ENST321 **Statistics for Environmental Scientists**

Credits: 3 Grading Method: Regular

Prerequisite: MATH115. Restriction: Must be in the Environmental Science and Technology program; or permission of the Environmental Science and Technology department.

Introduces students to statistical methods used in environmental science to analyze, interpret, and communicate data related to environmental science. The course emphasizes solving problems and independent learning and inquiry. Students will learn key concepts in descriptive and inferential statistics, probability distributions, hypothesis testing, regression modeling, and time series analysis. The course also covers advanced topics such as model selection and spatial data analysis. Hands-on exercises using real-world environmental datasets and statistical software (R) will provide students with practical skills in data visualization, analysis, and decision-making. By the end of the course, students will be equipped to critically evaluate environmental data and apply statistical tools to address pressing environmental challenges.

PreReq: Math115 This course introduces students to statistical methos used in environmental science to analyze, interpret, and communicate data related to environmental science. The course emphasizes solving problemsand independent learning and inquiry. Students will learn key concepts in descriptive and inferential statistics, probability distributions, hypothesis testing, regression modeling, and time series analysis. The course also covers advanced topics such as model selection and spatial data analysis. Hands-on exercises using real-world environmental datasets and statistical software (R) will provide students with practical skills in data visualization, analysis, and decision-making. By the end of the course, students will be equipped to critically evaluate environmental data and apply statistical tools to address pressing environmental challenges.

0101	Henry Gallo	Seats (Total: 40)
	MWF 11:00am - 11:50am	ANS 0412

ENST333 Ecosystem Health and Protection

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENST233 or permission of instructor.

Discussion of the philosophies, principles, and practices for assessing ecosystem health with emphasis on an ecosystem perspective rather than a human health perspective. Degradation associated with human activities will be emphasized. Topics will range from local to regional to global issues, including a discussion on global warming and its possible impacts on ecosystems. Concepts will be clarified using case histories from the Chesapeake Bay watershed.

0101	Jennifer Gunnulfsen	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	ANS 0422

ENST360 Ecosystem Ecology

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI160 and BSCI161; or BSCI106. Restriction: Must be in the Environmental Science and Technology major; or permission of instructor.

The study of ecology has a long and interesting history, from early society's efforts to understand and alter their environment as a matter of survival to the challenges the modern world is facing that are global in scale. Through the course text, distributed supplemental chapter readings and an understanding of the scientific literature, this course will cover the essential concepts and principles of ecosystem ecology as well as its history and past and present controversies. Several of the basic methods and tools of field research and the applied management of ecosystems will be discussed and demonstrated with several field excursions in the natural environs of the DC area. Central to this course will be the understanding that modern human society is an integral part of nature, with the power to impact and influence elements of the natural world at multiple scales. An analysis of policy implications for the biosphere will be discussed.

The study of ecology has a long and interesting history, from early society's efforts to understand and alter their environment as a matter of survival to the challenges the modern world is facing that are global in scale. Through the course text, distributed supplemental chapter readings and an understanding of the scientific literature, this course will cover the essential concepts and principles of ecosystem ecology as well as its history and past and present controversies. Several of the basic methods and tools of field research and the applied management of ecosystems will be discussed and demonstrated with several field excursions in the natural environs of the DC area. Central to this course will be the understanding that modern human society is an integral part of nature, with the power to impact and influence elements of the natural world at multiple scales. An analysis of policy implications for the biosphere will be discussed.

0101	Mitchell Pavao-Zuckerman TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 20) ANS 0422 ANS 0538	 Discussion
0102	Mitchell Pavao-Zuckerman TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 20) ANS 0422 ANS 0422	 Discussion

ENST361 **URBAN ENVIRONMENTAL SCIENCE**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ENST499A or ENST361. Formerly: ENST499A.

Urban Environmental Science is an interdisciplinary subject at the intersection of social, environmental, and economic systems. This course will examine ecology in the city (i.e. why do certain species live in certain greenspaces?), ecology of the city (i.e. how do urban ecological processes influence the health and safety of human residents?), and ecology for the city (i.e. how do we plan and restore greenspaces in a just way so that all residents have equitable access to nature?). This course will have a strong focus on natural systems within urban ecosystems. Each topic will focus on key urban ecological concepts and then explore how these topics apply to urban planning and design. The course will be a mix of traditional lectures, class discussions, and field trips to see urban environments in action in Washington, D.C.

0101	Henry Gallo	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	EGR 3106

ENST379 **Environmental Science and Technology Undergraduate Teaching Assistant**

(Perm req)

Credits: 3 Grading Method: Regular

A weekly teaching practicum and concurrent internship as an undergraduate teaching assistant in an Environmental Science and Technology course. By exploring the theories and best practices of teaching and learning in the various fields of environmental science, students will acquire foundational skills and knowledge for effective college teaching. Essential topics include teaching methods, classroom management, student engagement, and the basics of course design with emphasis placed on understanding diverse student needs, promoting inclusive teaching practices, and fostering critical thinking. Through interactive activities and peer & instructor feedback, students will gain hands-on experience in creating positive and impactful learning environments.

This course is designed for students who are Undergraduate Teaching Assistants in the ENST department. The course has 2 parts: 1) ENST379 seminar with Instructor Eni Baballari, and 2) the student's individual experience with the instructor they are assisting during the semester. Together, these two parts provide undergraduate students with the foundational skills and knowledge for effective college teaching. It covers essential topics such as teaching methods, classroom management, student engagement, and the basics of course design. Emphasis will be placed on understanding diverse student needs, promoting inclusive teaching practices, and fostering critical thinking. Through interactive activities and peer & instructor feedback, students will gain hands-on experience in creating positive and impactful learning environments.

0101	Eni Baballari	Seats (Total: 15)
	Contact instructor or department for details.	

ENST388 **Honors Thesis Research**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail, Audit

Undergraduate honors thesis research conducted under the direction of an AGNR faculty member in partial fulfillment of the requirements of the College of AGNR Honors Program. The thesis will be defended to a faculty committee.

Restriction: Permission of AGNR-Environmental Science & Technology department. Repeatable to 6 credits if content differs. Undergraduate honors thesis research conducted under the direction of an AGNR faculty member in partial fulfillment of the requirements of the College of AGNR Honors Program. The thesis will be defended to a faculty committee.

Contact department for information to register for this course.

ENST389 **Internship**

(Perm req)

Credits: 3 Grading Method: Sat-Fail

Credit will be granted for practical work carried out by students placed in work environment related to their stated career goals. Students must do an in-depth study in some portion of the work experience and produce a special project or report related to this study. A student work log is also recommended. An evaluation from the external supervisor of the project will be required. Credit arranged with supervising faculty member.

0101	Shannon Browne	Seats (Total: 50)
	Contact instructor or department for details.	

ENST403 **Invasive Species Ecology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ENST403, ENST603, or ENST689R.

We will examine ecological, evolutionary, and anthropogenic processes facilitating or resisting biological invasions, and consider their environmental, economic, and human health impacts. We will consider various management strategies to mitigate invasions and identify areas of future research. Field trips and detailed discussion of recent findings and controversies in the literature will help illustrate fundamental concepts of invasions among various ecosystems.

0101	Paul Leisnham, Sarah Rothman	Seats (Total: 30)
	MWF 10:00am - 10:50am	ANS 0538

ENST411 **Principles of Soil Fertility**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENST200; or students who have taken courses with comparable content may contact the department. Jointly offered with ENS T611. Credit only granted for: ENST411 or NRSC411. Formerly: NRS C411.

Soil factors affecting plant growth and quality with emphasis on the bio-availability of mineral nutrients. The management of soil systems to enhance plant growth by means of crop rotations, microbial activities, and use of organic and inorganic amendments.

0101	Raymond Weil	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ANS 1422

ENST414 **Soil Morphology, Genesis and Classification**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in ENST200.

Processes and factors of soil genesis. Taxonomy of soils of the world by U.S. System. Soil morphological characteristics, composition, classification, survey and field trips to examine and describe soils.

0101	Brian Needelman	Seats (Total: 20)	
	MW 10:00am - 10:50am	PHY 4222	
	M 5:00pm - 5:50pm	HJP 0210	
	M 2:00pm - 5:00pm	HJP 0210	Lab

ENST417 **Soil Hydrology and Physics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENST200; and (MATH113 or MATH115).

A study of soil water interactions: the hydrologic cycle; the unique properties of water and soil; the soil components and their interactions; the field water cycle; transport processes involving water, heat and solutes; human effects on soil and groundwater; as well as the measurement, prediction, and control of the physical processes taking place in and through the soil.

0101	Robert Hill	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	CHE 2136

ENST432 **Environmental Microbiology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131 and CHEM132.

Microorganisms are everywhere and mediate many of the processes that we observe everyday. These organisms are the unseen catalysts for numerous industrial processes and are critical to many emerging technologies and novel products. Environmental microbiologists ask: How do microorganisms in the environment benefit society? This course will answer this question by examining microbes in bioremediation, food safety, climate change, and biotechnology.

0101	Stephanie Yarwood	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	KEB 1200

ENST450 **Wetland Ecology**

Credits: 3 Grading Method: Regular

Prerequisite: BIOM301 and ENST360, or equivalent courses in data analysis and ecology; or permission of AGNR-Environmental Science & Technology department. Jointly offered with: ENST650. Credit only granted for: ENST450, ENST650, or MEES650.

Plant and animal communities, biogeochemistry, and ecosystem properties of wetlands. Lectures are supplemented by field trips and in-class labs. Hands-on activities include identification of wetland plant species, wetland delineation, and collection and analysis of field data on wetland vegetation, soil, and hydrology. Wading boots (at least hip length) are strongly recommended.

0101	Andrew Baldwin M 2:00pm - 4:50pm	Seats (Total: 28) ANS 0538

ENST460 **Principles of Wildlife Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed two semesters of biology laboratory; and (ENST360; or BSCI361). Or permission of AGNR-Environmental Science & Technology department.

Ecological principles and requirements of wildlife as basis for management, and introduction to the scientific literature. Conflicts in wildlife management, government administration of wildlife resources, legislation, and history of the wildlife management profession.

0101	Jennifer Mullinax TuTh 12:30pm - 1:45pm	Seats (Total: 40) ANS 0412

ENST472 **Capstone**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: CS General Education: DSSP

Restriction: Must be in a major within AGNR-Environmental Science & Technology department; and permission of AGNR-Environmental Science & Technology department. Additional information: This is the pinnacle course for students majoring in ENST and is therefore recommended in one of the students' final semesters.

This capstone course focuses on professional project preparation, presentation, and critical evaluation on environmental science research. Students will develop and present original projects and critique projects presented by others.

1201	Andrew Baldwin Contact instructor or department for details.	Seats (Total: 10)
1205	William Bowerman Contact instructor or department for details.	Seats (Total: 15)
1401	Frank Coale Contact instructor or department for details.	Seats (Total: 5)

1501	Gary Felton Contact instructor or department for details.	Seats (Total: 10)
1508	Reginal Harrell Contact instructor or department for details.	Seats (Total: 10)
1601	Robert Hill Contact instructor or department for details.	Seats (Total: 10)
1801	Patrick Kangas Contact instructor or department for details.	Seats (Total: 10)
1802	Stephanie Lansing Contact instructor or department for details.	Seats (Total: 10)
1803	Paul Leisnham Contact instructor or department for details.	Seats (Total: 10)
2005	Jennifer Mullinax Contact instructor or department for details.	Seats (Total: 10)
2101	Brian Needelman Contact instructor or department for details.	Seats (Total: 10)
2102	Masoud Negahban-Azar Contact instructor or department for details.	Seats (Total: 10)
2103	Mitchell Pavao-Zuckerman Contact instructor or department for details.	Seats (Total: 10)
2104	Shannon Browne Contact instructor or department for details.	Seats (Total: 10)
2105	Wendy Peer Contact instructor or department for details.	Seats (Total: 10)
2201	Martin Rabenhorst Contact instructor or department for details.	Seats (Total: 10)
2601	David Tilley Contact instructor or department for details.	Seats (Total: 10)
2701	Raymond Weil Contact instructor or department for details.	Seats (Total: 10)

2804	Jose-Luis Izursa Contact instructor or department for details.	Seats (Total: 10)
2805	Gurpal Toor Contact instructor or department for details.	Seats (Total: 10)
2905	Stephanie Yarwood Contact instructor or department for details.	Seats (Total: 10)
3001	Lance Yonkos Contact instructor or department for details.	Seats (Total: 10)
3201	Peter May Contact instructor or department for details.	Seats (Total: 10)
3202	Candice Duncan Contact instructor or department for details.	Seats (Total: 5)
3301	Adel Shirmohammadi Contact instructor or department for details.	Seats (Total: 4)
3401	Jared Wilmoth Contact instructor or department for details.	Seats (Total: 10)
3601	Henry Gallo Contact instructor or department for details.	Seats (Total: 10)
3602	Juanita Choo Contact instructor or department for details.	Seats (Total: 10)

ENST485 **Water Management in Urban Environment**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH120, MATH136, or MATH140.

In this course we explore relevant processes in pathways and fluxes of water in urban areas; urban water balance and consequences of urbanization on surface and groundwater regimes; effects of climate and hydrology; quantity and quality of urban runoff, sources of pollution and behavior of contaminants; and ecological quality and processes associated with urban water. We study design and planning for water quality and quantity management in urban water systems; and engineered and ecologically engineered alternatives for stormwater management. Additionally, we look at the climate impacts on the urban water cycle.

0101	Masoud Negahban-Azar	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	ANS 0422

ENST486 **Senior Professional Experience**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSSP

Prerequisite: ENST389. Restriction: Must be in the Environmental Science and Technology program; and permission of AGNR-Environmental Science & Technology department. Additional information: The course has two types of activities: lecture and experiential learning. Students are expected to work on their professional-level experience for 90 hours and participate in a 2-hour lecture every other week, during the semester to develop their Senior Integrative Experience (SIE) project. Each student's research question, proposal methodology, analysis, paper, and presentation will follow learning outcomes of all ENST SIE course options.

Students will arrange an off-campus professional-level work experience related to Environmental Science and Technology (ENST) to develop expertise in a specific area of their ENST concentration curriculum. Classroom sessions will frame student experiences within the broader discipline of Environmental Science and Technology. This course will tie together current practices in the ENST career industry, proposal writing, critical analysis, and culminate in a final paper and presentation.

0101	Eni Baballari	Seats (Total: 10)
	Contact instructor or department for details.	

ENST489 **Research Experience**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An advanced research-based course in the field of environmental science and technology.

Contact department for information to register for this course.

ENST499 **Special Topics in Environmental Science and Technology**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

An independent study, and/or lecture, and/or laboratory series organized to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.

Contact department for information to register for this course.

ENST499X **Special Topics in Environmental Science and Technology; Soil Science**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An independent study, and/or lecture, and/or laboratory series organized to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.

Contact department for information to regsiter for this course.

0101	Raymond Weil	Seats (Total: 5)
	Contact instructor or department for details.	

ENST603 **Advanced Invasive Species Ecology**

Credits: 3 Grading Method: Regular, Audit

Jointly offered with ENST403. Credit only granted for: ENST403, ENST603 , or ENST689R. Formerly: ENST689R. Additional information: Two field trips are planned for this class.

We will examine ecological, evolutionary, and anthropogenic processes facilitating or resisting biological invasions, and consider their environmental, economic, and human health impacts. We will consider various management strategies to mitigate invasions and identify areas of future research. Field trips and detailed discussion of recent findings and controversies in the literature will help illustrate fundamental concepts of invasions among various ecosystems.

0101	Paul Leisnham, Sarah Rothman	Seats (Total: 5)	
	MWF 10:00am - 10:50am	ANS 0538	
	F 11:00am - 11:50am	ANS 1422	Discussion

ENST606 **Advanced Ecosystem Health and Natural Resource Management**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of AGNR-Environmental Science & Technology department. Credit only granted for: ENST606 or ENST689E. Formerly: ENST689E. Additional information: Priority in enrollment will be given to students in ENST program.

Explore some of the most important and current global environmental and health challenges. Investigate fundamental and new concepts from the fields of ecology, eco-epidemiology, social anthropology, and environmental and health policy, as well as interdisciplinary cross-sectorial approaches such as One Health, Eco-Health, and Planetary Health.

0101	Paul Leisnham, Sarah Rothman	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ANS 1420

ENST608 **Research Methods**

(Perm req)

Credits: 1-4 Grading Method: Regular, Audit

Development of research viewpoint by detailed study and report on crop and soil research of the Maryland Agriculture Experiment Station or review and discussion of literature on specific agricultural problems or new research techniques.

Contact department for information to register for this course.

ENST611 **Advanced Principles of Soil Fertility**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: ENST200; or students who have taken courses with comparable content may contact the department. Jointly offered with: ENST411. Credit only granted for: ENST411 or ENST611.

Soil factors affecting plant growth and quality with emphasis on the bio-availability of mineral nutrients. The management of soil systems to enhance plant growth by means of crop rotations, microbial activities, and use of organic and inorganic amendments.

0101	Raymond Weil TuTh 12:30pm - 1:45pm	Seats (Total: 10) ANS 1422

ENST650 Advanced Wetland Ecology

Credits: 3

Grading Method: Regular, Audit

Prerequisite: BIOM301; and ENST360 or other ecology equivalent; or permission of AGNR-Environmental Science and Technology department; or permission of CMNS-Marine & Estuarine-Environmental Science Program). Cross-listed with: MEES650. Jointly offered with: ENST450, MEES650. Credit only granted for: ENST450, ENST650, or MEES650. Additional information: Wading boots (at least hip length) are strongly recommended.

Plant and animal communities, biogeochemistry, and ecosystem properties of wetlands. Lectures are supplemented by field trips (normally 2 days total during the semester) and in-class labs. Hands-on activities and exercises include identification of wetland plant species, wetland mapping and delineation, and collection and analysis of field data on wetland vegetation, soil, and hydrology. Wading boots (at least hip length) are strongly recommended.

0101	Andrew Baldwin M 2:00pm - 4:50pm	Seats (Total: 7) ANS 0538

ENST689 Special Topics

Credits: 1-3

Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

1201	Andrew Baldwin Contact instructor or department for details.	Seats (Total: 5)
1205	William Bowerman Contact instructor or department for details.	Seats (Total: 5)
1401	Frank Coale Contact instructor or department for details.	Seats (Total: 5)

1501	Gary Felton Contact instructor or department for details.	Seats (Total: 5)
1508	Reginal Harrell Contact instructor or department for details.	Seats (Total: 5)
1601	Robert Hill Contact instructor or department for details.	Seats (Total: 5)
1801	Patrick Kangas Contact instructor or department for details.	Seats (Total: 5)
1802	Stephanie Lansing Contact instructor or department for details.	Seats (Total: 5)
1803	Paul Leisnham Contact instructor or department for details.	Seats (Total: 5)
1805	Michael Kearney Contact instructor or department for details.	Seats (Total: 5)
2001	Bahram Momen Contact instructor or department for details.	Seats (Total: 5)
2005	Jennifer Mullinax Contact instructor or department for details.	Seats (Total: 5)
2101	Brian Needelman Contact instructor or department for details.	Seats (Total: 5)
2102	Masoud Negahban-Azar Contact instructor or department for details.	Seats (Total: 5)
2103	Mitchell Pavao-Zuckerman Contact instructor or department for details.	Seats (Total: 5)
2105	Wendy Peer Contact instructor or department for details.	Seats (Total: 5)
2201	Martin Rabenhorst Contact instructor or department for details.	Seats (Total: 3)
2601	David Tilley Contact instructor or department for details.	Seats (Total: 5)

2701	Raymond Weil Contact instructor or department for details.	Seats (Total: 5)
2805	Gurpal Toor Contact instructor or department for details.	Seats (Total: 5)
2905	Stephanie Yarwood Contact instructor or department for details.	Seats (Total: 5)
3001	Lance Yonkos Contact instructor or department for details.	Seats (Total: 2)
3401	Jared Wilmoth Contact instructor or department for details.	Seats (Total: 10)
3601	Henry Gallo Contact instructor or department for details.	Seats (Total: 10)

ENST689M **Special Topics; Advanced Soil Chemistry**

Credits: 3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

Advanced examination of modern and emerging topics in Soil Chemistry. The course will focus on the most current ideas and cutting-edge techniques to understand how key soil chemical mechanisms and pathways are linked to large-scale phenomena such as climate change, food security, sustainability, nutrient cycling, and pollution.

0101	Jared Wilmoth TuTh 3:30pm - 4:45pm	Seats (Total: 10) ANS 1422

ENST689X **Special Topics; Methods in University Teaching**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

0101	Raymond Weil Contact instructor or department for details.	Seats (Total: 1)

ENST689Y **Special Topics; Advances in Research, Plant Membrane Biology**

Credits: 2 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

0101	Wendy Peer	Seats (Total: 10)
	Contact instructor or department for details.	

ENST689Z **Special Topics; Introductory University Instruction**

Credits: 1-3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

Contact department for information to register for this course.

ENST789 **Advances in Research**

Credits: 1-4 Grading Method: Regular, Audit

A study of recent advances in agronomy research.

Contact department for information to register for this course.

ENST798 **Graduate Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Designed to provide a venue for interactive discussion between ENST graduate students and other members of the ENST community regarding thesis/dissertation research planned or conducted as part of the students graduate program.

Restriction: Must be in one of the following programs (Environmental Science and Technology (Doctoral); Environmental Science and Technology (Master's)); or permission of AGNR-Environmental Science & Technology department.

0101	Henry Gallo, Jared Wilmoth	Seats (Total: 40)
	W 3:00pm - 3:50pm	ANS 0408

ENST799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENST898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENST899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENTM699K **Advanced Entomology; Biological Sciences Teaching and Learning in Higher Education**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Credit and prerequisites to be determined by the department. First and second semesters. Studies of minor problems in morphology, physiology, taxonomy and applied entomology, with particular reference to the preparation of the student for individual research.

Cross-listed with BIOL608K, CBMG699K, and CHEM608K. Credit will be grant edfor only one of the following: BIOL608K, CBMG699K, CHEM608K, or ENTM699K.

0101	Gili Ad-Marbach W 11:00am - 12:40pm	Seats (Total: 12) BPS 1208

ENTM701 **Teaching & Professional Development in Biology**

Credits: 1 Grading Method: Sat-Fail

Cross-listed with: BISI701. Credit only granted for: ENTM701, BISI688Z, CBMG688Z, or BIOL701. Formerly: BISI688Z, CBMG688Z, BIOL701. Additional information: Priority enrollment will be given to students in the BISI Graduate Program.

Provides graduate students in the biological sciences with the foundational knowledge to become better teaching assistants and gives them an introduction into the skills and tools that they need to develop as professional scientists and educators.

0101	Wade Winkler Tu 6:00pm - 8:00pm	Seats (Total: 20) BPS 1238
0201	Kelly Hamby Tu 6:00pm - 8:00pm	Seats (Total: 20) PLS 4102

ENTM760 **Insects in the 21st Century**

Credits: 3 Grading Method: Regular, Sat-Fail

This course will explore the influence and impact of major technological advances in genetics, molecular genetics and biotechnology on the study of insects. Topics will include the use of insects as models for studying human biology and diseases; the use of genetics and genetic technologies to augment existing strategies for managing pest insects and well as the invention of novel management approaches; the use of genetics and genetic technologies in the fields of insect conservation, ecology and evolution.

PLE1	Michelle Bertke	Seats (Total: 10)	
	Meets September 2, 2025 - November 21, 2025		
	Class time/details on ELMs	ONLINE	
	Must be in the Graduate Program in Applied Entomology. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.		

ENTM788C **Entomological Topics; Colloquium**

Credits: 1-3 Grading Method: Regular, Audit

One lecture or one two-hour laboratory period a week for each credit hour. Lectures, group discussions or laboratory sessions on selected topics such as: aquatic insects, biological control of insects, entomological literature, forest entomology, history of entomology, insect biochemistry, insect embryology, immature insects, insect behavior, insect communication, principles of entomological research.

0101	Evan Economo	Seats (Total: 45)	
	F 12:00pm - 12:50pm	PLS 1130	
	F 1:00pm - 1:50pm	PLS 1130	Discussion

ENTM798T **Topic Seminar; Entomophagy: Current Research, Education Needs, and Contribution to Sustainability**

Credits: 1 Grading Method: Regular, Audit, Sat-Fail

Discussion and presentation of current research and literature.

0101	Bill Lamp	Seats (Total: 16)
	M 9:00am - 9:50am	PLS 4102

ENTM799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENTM898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENTM899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENTS Telecommunications Fall 2025

ENTS622 **Introduction to Digital Communication Systems**

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in Telecommunications (Master's) program; or permission of ENGR-Electrical & Computer Engineering department. Credit only granted for: ENTS622 or ENTS689B. Formerly: ENTS689B.

Principles of analog and digital communication systems design. Analysis of the performance and relative merits of different modulation and demodulation, signal processing, filtering and error control schemes in communication systems. Also provides an understanding of the design of modern digital communication systems.

Click here for more course information.

0101	Alejandra Mercado	Seats (Total: 16)	
	M 9:00am - 11:45am	CHE 2118	
	Th 9:00am - 10:30am	AVW 1362	Lab
	Th 10:30am - 11:45am	AVW 1442	Discussion

ENTS630 The Economics of International Telecommunications

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in Telecommunications (Master's) program.

Basic microeconomic principles used by telecommunications firms, including supply and demand, elasticity, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations.

Restricted to ENTS majors. All non-major students will need to obtain department permission.

0101	Joseph Augustine	Seats (Total: 35)
	W 2:00pm - 4:45pm	SQH 1105

ENTS635 Decision Support Methods for Telecommunication Managers

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in Telecommunications (Master's) program.

The aim of this course is to introduce management science techniques for informed decision making. Topics covered can include data analysis and regression, optimization models and applications (workforce scheduling, manufacturing, network design, facility location), sensitivity analysis, decision trees, risk analysis and business simulation models. Emphasis will be on telecommunications managerial problems, model development and the use of software packages for decision support.

Restricted to ENTS majors. All non-major students will need to obtain department permission. Click here for more course information.

0101	Alan Briggs	Seats (Total: 40)	
	M 5:30pm - 8:15pm	SQH 1103	

ENTS640 Networks and Protocols I

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Telecommunications (Master's) program.

An overview of design issues and the important industry standards for digital communications networks. This includes protocols, data communications technologies, error correction and detection, congestion control, traffic routing, Local Area Network (LAN) protocols, TCP/IP, and some security issues.

0101	Zoltan Safar	Seats (Total: 24)	
	Th 5:30pm - 8:15pm	CSI 2118	
	F 5:30pm - 8:15pm	AVW 1442	Lab

ENTS649B Special Topics in Networking; Cloud Computing

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Selected topics of current importance in networking.

0101	Zoltan Safar	Seats (Total: 20)
	F 5:30pm - 8:15pm	CSI 2118

ENTS656 Introduction to Cellular Communication Networks

Credits: 3 Grading Method: Regular, Audit

Concepts and techniques involved in wireless digital communications with emphasis on cellular and PCS systems. Properties of Mobile radio channels; intersymbol interference, multipath, and fading effects; interleaving and diversity; multiple access schemes (TDMA, FDMA, CDMA); interuser interference, traffic issues, and cell capacity; power control strategies; frequency reuse and channel assignment; handoff, paging, and location update; cell layout; introduction to cellular and PCS standards.

Click here for more course information.

0101	Zoltan Safar	Seats (Total: 20)
	Th 2:00pm - 4:45pm	PLS 1119

ENTS669D Special Topics in Computing; Foundations of Machine Learning

Credits: 3 Grading Method: Regular, Audit

Selected topics of current importance in computing.

0101	Richard La	Seats (Total: 5)
	MW 12:30pm - 1:45pm	KEB 1200

ENTS759I **Advanced Topics in Communications; Selected Topics in 5G System Design and Evolution**

Credits: 3 Grading Method: Regular

Selected advanced topics in communications.

0101	Kamran Etemad	Seats (Total: 24)
	Tu 2:00pm - 4:45pm	PHY 2106

ENVH Environmental and Occupational Health Fall 2025

ENVH381 **Introduction to Public Health Aerobiology Research**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: Successful completion of at least one biology and/or chemistry course with laboratory; MIEH325 or ENVH125 enrolled or completed. Restriction: Must be a degree-seeking UMD undergraduate student. Permission of PHAB Lab and GEOH department required. Additional information: Application required; see Student Opportunities at https://sph.umd.edu/phablab. Positions assigned to accepted students based on interests, background, and scheduling availability. Student must commit to working at least 5 hours/week in the lab throughout the semester.

This course provides students with the opportunity to assist the Public Health AeroBiology (PHAB) lab on various projects examining factors related to the transmission of SARS-CoV2, influenza, and other acute respiratory infections. Students can participate in the virology or bioaerosols laboratories or in the clinic of the PHAB Lab as Research Assistants.

0101	Donald Milton, Kristen Coleman	Seats (Total: 60)
	Tu 4:00pm - 4:50pm	SPH 1312
	Contact instructor or department for details.	

ENVH426 **Climate Change and Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPHL100 and EPIB301 completed with C- or higher; or permission of instructor. Restriction: Restricted to students with 60 or more credits completed. Jointly offered with: ENVH626. Credit only granted for: PHSC426 or ENVH426.

Critical examination of direct and indirect impacts of climate change on human health. After introducing greenhouse gases, large-scale weather phenomena, and climate models, we will discuss how climate change affects not only infectious air-, water-, food-, and vector-borne diseases but also noncommunicable diseases such as cardiovascular and respiratory health conditions, food security, malnutrition, mental health, violence, and migration. We will then explore different biological and socioeconomic vulnerabilities to climate change across populations through the lens of health disparities and climate justice. Furthermore, we will touch on both current and future climate change mitigation and adaptation strategies to promote public health.

0101	Pin Wang	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SPH 0307

ENVH626 **Climate Change and Health**

Credits: 3 Grading Method: Regular, Audit

Recommended: Coursework in public health and epidemiology. Restriction: Enrolled in a graduate program at UMD; permission of GEOH department required. Jointly offered with: ENVH426.

Critical examination of direct and indirect impacts of climate change on human health. Discuss how climate change affects not only infectious air-, water-, food-, and vector-borne diseases but also noncommunicable diseases such as cardiovascular and respiratory health conditions, food security, malnutrition, mental health, violence, and migration. Explore different biological and socioeconomic vulnerabilities to climate change across populations through the lens of health disparities and climate justice.

0101	Pin Wang	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SPH 0307

EPIB Epidemiology and Biostatistics Fall 2025

EPIB301 **Epidemiology for Public Health Practice**

Credits: 3 Grading Method: Regular, Pass-Fail

Restriction: Must be in Public Health Science program; or must be in Community Health program. And must have earned a minimum of 45 credits.

An examination of the discipline of epidemiology and its application to public health issues and practices, covering current epidemiological concepts and methods.

As agreed to during the change of major workshop or orientation to PHSC: PHSC students who declared their major BEFORE the spring 2018 semester are required to take EPIB300 before EPIB301. PHSC students who declared their major DURING the spring 2018 semester and later, are required to take EPIB301 before EPIB315.

0101	Typhanye Dyer TuTh 3:30pm - 4:20pm M 9:00am - 9:50am	Seats (Total: 20) ESJ 0224 SPH 0307	Discussion
	Restricted to Public Health Science majors at College Park.		
0102	Typhanye Dyer TuTh 3:30pm - 4:20pm M 10:00am - 10:50am	Seats (Total: 20) ESJ 0224 SPH 0307	Discussion
	Restricted to Public Health Science majors at College Park.		
0103	Typhanye Dyer TuTh 3:30pm - 4:20pm M 11:00am - 11:50am	Seats (Total: 20) ESJ 0224 SPH 0307	Discussion
	Restricted to Public Health Science majors at College Park.		
0104	Typhanye Dyer TuTh 3:30pm - 4:20pm M 12:00pm - 12:50pm	Seats (Total: 20) ESJ 0224 SPH 0307	Discussion
	Restricted to Public Health Science majors at College Park.		
0105	Typhanye Dyer TuTh 3:30pm - 4:20pm M 1:00pm - 1:50pm	Seats (Total: 20) ESJ 0224 SPH 0307	Discussion
	Restricted to Public Health Science majors at College Park.		
0106	Typhanye Dyer TuTh 3:30pm - 4:20pm M 2:00pm - 2:50pm	Seats (Total: 20) ESJ 0224 SPH 0307	Discussion
	Restricted to Public Health Science majors at College Park.		
0107	Typhanye Dyer TuTh 3:30pm - 4:20pm M 3:00pm - 3:50pm	Seats (Total: 20) ESJ 0224 SPH 0307	Discussion
	Restricted to Public Health Science majors at College Park.		
0202	Typhanye Dyer TuTh 3:30pm - 4:20pm W 1:00pm - 1:50pm	Seats (Total: 20) ESJ 0224 SPH 0307	Discussion
	Restricted to College Park students in the Behavioral and Community Health major.		

EPIB301H Epidemiology for Public Health Practice

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Public Health Science program; or must be in Community Health program. And must have earned a minimum of 45 credits.

An examination of the discipline of epidemiology and its application to public health issues and practices, covering current epidemiological concepts and methods.

Restricted to students in the Public Health Practice major.

0201	Typhanye Dyer TuTh 3:30pm - 4:20pm M 9:00am - 9:50am	Seats (Total: 3) ESJ 0224 SPH 0307	 Discussion
0202	Typhanye Dyer TuTh 3:30pm - 4:20pm W 1:00pm - 1:50pm	Seats (Total: 3) ESJ 0224 SPH 0307	 Discussion

EPIB315 **Biostatistics for Public Health Practice**

Credits: 3

Grading Method: Regular, Pass-Fail

General Education: FSAR

Prerequisite: Minimum grade of C- in EPIB301; or must have completed or be concurrently enrolled in HLTH200. Restriction: Must be in one of the following programs (Public Health Science; Community Health). Credit only granted for: EPIB300 or EPIB315. Formerly: EPIB300. Additional information: Course is cross-listed; students should check program advising information to determine which counts for their major. Note that EPIB300 (old number) is still offered for students under previous curriculum.

An examination of biostatistical concepts and procedures as they relate to contemporary issues in public health. Focus on applications, hands-on-experience, and interpretations of statistical findings in public health research.

0101	Huang Lin TuTh 11:00am - 11:50am M 8:00am - 9:50am *Restricted to College Park students in the Public Health Science major.*	Seats (Total: 20) SKN 0200 SPH 0116B	 Discussion
0102	Huang Lin TuTh 11:00am - 11:50am M 10:00am - 11:50am *Restricted to College Park students in the Public Health Science major.*	Seats (Total: 20) SKN 0200 SPH 0116B	 Discussion

0103	Huang Lin	Seats (Total: 20)	
	TuTh 11:00am - 11:50am M 12:00pm - 1:50pm	SKN 0200 SPH 0116B	Discussion
	Restricted to College Park students in the Public Health Science major.		
0104	Huang Lin	Seats (Total: 20)	
	TuTh 11:00am - 11:50am M 2:00pm - 3:50pm	SKN 0200 SPH 0116B	Discussion
	Restricted to College Park students in the Public Health Science major.		
0105	Huang Lin	Seats (Total: 20)	
	TuTh 11:00am - 11:50am F 8:00am - 9:50am	SKN 0200 SPH 0121	Discussion
	Restricted to College Park students in the Public Health Science major.		
0106	Huang Lin	Seats (Total: 20)	
	TuTh 11:00am - 11:50am F 10:00am - 11:50am	SKN 0200 SPH 0121	Discussion
	Restricted to College Park students in the Public Health Science major.		
0107	Huang Lin	Seats (Total: 20)	
	TuTh 11:00am - 11:50am F 12:00pm - 1:50pm	SKN 0200 SPH 0302	Discussion
	Restricted to College Park students in the Public Health Science major.		
0108	Huang Lin	Seats (Total: 20)	
	TuTh 11:00am - 11:50am F 2:00pm - 3:50pm	SKN 0200 SPH 0302	Discussion
	Restricted to College Park students in the Public Health Science major.		
0201	Huang Lin	Seats (Total: 15)	
	TuTh 11:00am - 11:50am Th 4:00pm - 5:50pm	SKN 0200 SPH 0301	Discussion
	Restricted to students in the Behavioral and Community Health major.		
0202	Huang Lin	Seats (Total: 15)	
	TuTh 11:00am - 11:50am F 12:00pm - 1:50pm	SKN 0200 SPH 0301	Discussion
	Restricted to students in the Behavioral and Community Health major.		

ESG1	Jessica Keralis W 5:30pm - 8:00pm Class time/details on ELMs	Seats (Total: 35) BLD3 2203 ONLINE	Discussion
	Restricted to Shady Grove students in the Public Health Science major.		

EPIB399 **Epidemiology and Biostatistics Independent Study**

Credits: 1-3 Grading Method: Regular

The EPIB undergraduate independent study is an opportunity for undergraduates from other departments in the SPH or the university to work with an Epidemiology and Biostatistics faculty member on research or special projects that are based out of EPIB.

Contact department for information to register for this course.

EPIB610 **Foundations of Epidemiology**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: EPIB300; or equivalent undergraduate statistics or biostatistics course with a grade of C- or higher; or a score of 70% or higher on EPIB300 placement exam. Credit only granted for: EPIB610 or HLTH720. Formerly: HLTH720.

Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered.

0101	Edmond Shenassa Tu 4:15pm - 7:00pm	Seats (Total: 30) SPH 1301
PLN1	Edmond Shenassa Class time/details on ELMs	Seats (Total: 10) ONLINE
	Must be in Graduate Programs in Applied Epidemiology. Golden ID students are not eligible for this section.	

EPIB612 **Epidemiologic Study Design**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EPIB611.

Application of epidemiologic study designs, analytic methods used for analysis of cohort, case-control, cross-sectional, and clinical trials research.

0101	Hongjie Liu M 4:00pm - 6:45pm	Seats (Total: 20) ATL 1434

EPIB642 **Obesity Epidemiology: Hormones and Cancer**

Credits: 3 Grading Method: Regular

Prerequisite: Students must have completed either SPHL602 or EPIB610 Foundations of Epidemiology (or equivalent). BS/MPH students who have completed EPIB301 may enroll. Students from other departments must request departmental permission to register.

This course provides an overview of the epidemiology, prevention and treatment of obesity with a focus on associations with cancer and hormonal mechanisms. This course will integrate public health disciplines including epidemiological methods, molecular biology, behavior and clinical science to discuss the causes and consequences of obesity, particularly cancer.

0101	Cher Dallal	Seats (Total: 20)
	W 1:00pm - 3:45pm	ATL 1434

EPIB650 **Biostatistics I**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: EPIB300; or equivalent undergraduate statistics or biostatistics course with a grade of C- or higher; or a score of 70% or higher on EPIB placement exam. Credit only granted for: EPIB650, HLTH651, or HLTH688B. Formerly: HLTH651 and HLTH688B.

Basic statistical concepts and procedures for Public Health. Focuses on applications, hands-on-experience, and interpretations of statistical findings.

0101	Yan Li	Seats (Total: 30)
	W 4:15pm - 7:00pm	SPH 1301

EPIB651 **Applied Regression Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of B- in EPIB650. Recommended: EPIB697 or previous experience working with SAS is highly recommended.

An introduction to important statistical methods used in public health research, including nonparametric hypothesis testing, ANOVA, simple and multiple linear regression, logistic regression, and categorical data analysis.

0101	Mei-Ling Lee	Seats (Total: 20)
	Th 1:00pm - 3:45pm	SPH 0227

EPIB652 **Categorical Data Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EPIB651. Recommended: EPIB697 or previous experience working with SAS is highly recommended.

Methods for analysis of categorical data as applied to public health research, including contingency tables, logistic regression, multicategory logic models, loglinear models, and models for matched-pairs.

0101	Jeremy Rubin	Seats (Total: 20)
	W 4:15pm - 7:00pm	ATL 1434

EPIB655 **Longitudinal Data Analysis**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EPIB651.

Statistical models for drawing scientific inferences from longitudinal data, longitudinal study design, repeated measures and random effects to account for experimental designs that involve correlated responses, handling of missing data.

0101	Xin He	Seats (Total: 20)
	M 1:00pm - 3:45pm	ATL 1434

EPIB685 **Causal Inference in Epidemiology**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of B- in EPIB611 or equivalent; and minimum grade of B- in EPIB651 or equivalent; or permission from instructor. Recommended: EPIB612 or equivalent and previous programming experience through coursework (e.g., EPIB695, EPIB697) or other activities.

Public health and epidemiologic research are largely focused on asking causal questions (e.g., "Does X cause disease Y?"); however, most observational studies do not have appropriate study designs and analytic approaches to generate causal conclusions. This course will introduce students to causal inference fundamentals and methodology, with a focus on how to generate and analyze data to make causal inferences. This course will review the differences between association and causation, how to develop causal research questions, the underlying assumptions needed for causal inference, and how to design and analyze studies with causal questions. Applied examples and hands-on exercises will be used throughout the course to help students master the concepts.

0101	Paula Strassle	Seats (Total: 25)
	Tu 1:00pm - 3:45pm	ATL 1434

EPIB697 **Public Health Data Management**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in a program within the Maryland School of Public Health .

This course is designed to provide students with the expertise needed to effectively manage research data using SAS as the statistical programming language.

0101	Jeremy Rubin Th 4:00pm - 6:45pm	Seats (Total: 25) PLS 1158
PLY1	Jeremy Rubin Class time/details on ELMs	Seats (Total: 10) ONLINE

Must be in Health Data Analysis (GC). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.

EPIB778 **Practical Experience in Public Health**

(Perm req)

Credits: 1-4 Grading Method: Regular

Practice experience providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the practice experience will depend upon the student's background and career goals.

Contact department for information to register for this course.

EPIB786 **Capstone Project in Public Health**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department. Restriction: Must be enrolled in the Master of Public Health program in Biostatistics or Epidemiology.

Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

EPIB788 **Critical Readings in Epidemiology and Biostatistics**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Open to doctoral students to discuss critical readings in Epidemiology and Biostatistics.

0101	Thu Nguyen W 11:00am - 12:50pm	Seats (Total: 15) ATL 1434

EPIB798 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master or doctoral students who desire to pursue special research problems under the direction of a faculty memeber of the department may register for 1-6 hours of credit under this number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

EPIB898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EPIB899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

FGSM Federal and Global Fellows Fall 2025

FGSM310 **Political Engagement and Advocacy**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in the Federal Fellows Program; and permission of instructor. Cross-listed with: HNUH318T. Credit only granted for: HNUH318T or FGSM310.

An examination of questions and issues in the practice of political engagement and advocacy. Guest lecturers drawn from political, civic engagement, and advocacy arenas will visit class and participate in discussions.

0101	Peter Owen	Seats (Total: 24)
	M 6:00pm - 9:00pm	AJC 2134

FGSM315 **Civic Leadership and Human Services**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in the UMD Fellows Program; and must have permission of the UMD Fellows Program. Cross-listed with: HNUH319T. Credit only granted for: HNUH319T or FGSM315.

An examination of important issues, methodologies and tools of civic leadership in relation to human services, especially at the state and local level.

0101	Emily Shetty	Seats (Total: 22)
	Tu 5:30pm - 8:30pm	AJC 2119

FGSM320 **Public Health Policy**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in the Federal Fellows Program; and permission of instructor. Cross-listed with: HNUH328T. Credit only granted for: UNIV348P, HNUH328T or FGSM320. Formerly: UNIV348P.

An exploration of the major questions and issues facing the U.S. health care system as well as the formulation and implementation of health policy.

0101	Woodie Kessel	Seats (Total: 25)
	Tu 3:30pm - 6:30pm	HJP 2217

FGSM330 **Homeland and National Security Policy**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in the Federal Fellows Program; and permission of instructor. Cross-listed with: HNUH338T. Credit only granted for: UNIV348T, HNUH338T or FGSM330. Formerly: UNIV348T.

An examination of the concept of U.S. homeland and national security, threats, and major vulnerabilities in the context of recent history.

0101	Andrew Fausett, Casie Antalis	Seats (Total: 23)
	M 6:00pm - 9:00pm	IRB 1207

FGSM340 **Energy and Environmental Policy**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in the Federal Fellows Program; and permission of instructor. Cross-listed with: HNUH348T. Credit only granted for: UNIV348E, HNUH348T or FGSM340. Formerly: UNIV348E.

An examination of issues of energy and environmental sustainability through an investigation of policy-making in energy, climate change, and sustainable development.

0101	Ed Fendley	Seats (Total: 23)
	M 3:00pm - 6:00pm	ESJ B0320

FGSM350 **Critical Regions and International Relations**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in the Global Fellows Program; and permission of instructor. Cross-listed with: HNUH358T. Credit only granted for: HNUH358T or FGSM350.

An examination of international relations and foreign policy challenges in critical regions.

0101	Brian Johnson, Danusia Hubah	Seats (Total: 23)
	Th 7:00pm - 10:00pm	ESJ 1215

FGSM355 **U.S. Intelligence and Policymaking**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Global Fellows Program; and Permission of Department. Cross-listed with: HNUH359T. Credit only granted for: HNUH359T or FGSM355.

Examines the role of intelligence in supporting U.S. security strategy and policy. Students will learn how the U.S. Intelligence Community (IC) is structured and organized, and will explore how intelligence is deployed to support the warfighter, diplomats, and senior-level decisionmakers. The course emphasizes the development of critical thinking and analytic skills, as well as professional writing and oral presentation abilities that are necessary for successful work in national security organizations. The course will feature guest lecturers from real-world practitioners to supplement course readings.

0101	Michael Coyne, Amanda Schoch	Seats (Total: 20)
	Th 6:00pm - 9:00pm	ESJ 1309

FGSM360 **U.S. Diplomacy and Policymaking**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in the Global Fellows Program; and permission of instructor. Cross-listed with: HNUH368T. Credit only granted for: HNIUH368T or FGSM360.

An examination of questions and issues in the practice of contemporary diplomacy and policy-making. Guest lecturers drawn from Washington policy-making and foreign service communities will visit class and participate in discussion.

0101	Bradley Gallagher, Nadia Farra	Seats (Total: 23)
	Tu 7:00pm - 10:00pm	ESJ 2212

FGSM365 **Economic Diplomacy: Challenges and Opportunities**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in the UMD Fellows Program; and must have permission of the UMD Fellows Program. Cross-listed with: HNUH369T. Credit only granted for: FGSM365 or HNUH369T.

An examination of political, social, and environmental aspects of the global economy in the context of power competition and technological change.

0101	Andrew Nissen	Seats (Total: 22)
	M 6:00pm - 9:00pm	ESJ 1309

FGSM370 **Science Diplomacy: Foreign Policy & Science, Technology, and Innovation**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in the Global Fellows Program; and permission of instructor. Cross-listed with: HNUH378T. Credit only granted for: UNIV389F, HNUH378T or FGSM370. Formerly: UNIV389F.

An exploration of the critical roles scientific knowledge and technological innovation play in the formation and implementation of foreign policy issues, including energy and climate change, public health, space and innovation, and economic development.

0101	Ellen Connorton, Jeffrey Haeni W 5:30pm - 8:30pm	Seats (Total: 24) ESJ 1309

FGSM375 **Strategic Thinking, AI, and Innovation Power**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in the UMD Fellows Program; and Permission of Department. Cross-listed with: HNUH379T.

This course will prepare students for careers in technology innovation in three segments. First, students will ground themselves in the basics of strategic theory and how to make a strategy at any level of analysis. Second, from a practitioner's perspective, students will explore the U.S. innovation ecosystem in the context of world affairs across industry, academia, government, and venture. By doing so they can also examine potential career paths in building technology power to improve international security. Third, students will gain practical experience from studying cases in innovation power and build their own tech strategy as a capstone experience. Through all three phases of the class, artificial intelligence will be used as the base case and the most important general purpose technology of our day thus gaining an appreciation for AI itself on one hand, and how it is but one example of how technology can impact the destiny of nations on the other.

0101	Paul Maykish Tu 6:00pm - 9:00pm	Seats (Total: 22) ESJ 1309

FGSM390 **Global Health Challenges and Water Security**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in the Global Fellows Program; and permission of instructor. Cross-listed with: HNUH398T. Credit only granted for: HNUH398T, HONR378M, or FGSM390.

An examination of questions and issues of global health and water security. Expert practitioners will also visit class and participate in discussions.

0101	Sasha Koo-Oshima W 3:00pm - 6:00pm	Seats (Total: 24) AJC 2134

FGSM398 **Federal and Global Experiential Learning**

(Perm req)

Credits: 3-9 Grading Method: Regular General Education: DSSP

This is the experiential course component of the Federal Fellows Program and Global Fellows Program.

Cross-listed with HNUH398P. Credit only granted for FGSM398 or HNUH398P.

0101	Jayakumar Arasan, Sabrina Labold Class time/details on ELMs	Seats (Total: 25) ONLINE

0201	Jayakumar Arasan, Sabrina Labold	Seats (Total: 5)
	Class time/details on ELMs	ONLINE

FIRE First-Year Innovation & Research Experience Fall 2025

FIRE120 FIRE SEMESTER 1

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Must be a first-semester student in The First-Year Innovation & Research Experience (FIRE) program. Additional information: This is the first course in the First-Year Innovation & Research Experience (FIRE) program sequence.

Engages the research process through the design, research, collaborative authorship and iterative refinement to establish an original research trajectory. Students find and analyze primary and secondary sources, think creatively, identify gaps in existing literature, and communicate a research plan in a scholarly fashion. Students work collaboratively to solve scientific and societal problems using technology and creative inquiry through productive team communication.

0101	Catherine Spirito	Seats (Total: 35)
	M 12:00pm - 12:50pm Contact instructor or department for details.	HJP 3142
	This section is restricted to BioFIRE students.	
0102	Quira Zeidan	Seats (Total: 35)
	M 1:00pm - 1:50pm Contact instructor or department for details.	HJP 3142
	This section is restricted to BioFIRE students.	
0103	Jessica O'Hara	Seats (Total: 39)
	M 11:00am - 11:50am Contact instructor or department for details.	HJP 3142
0104	Danielle Niu	Seats (Total: 39)
	F 1:00pm - 1:50pm Contact instructor or department for details.	HJP 3142
0105	Cherisse Hall	Seats (Total: 39)
	F 12:00pm - 12:50pm Contact instructor or department for details.	HJP 3142
0106	Kristina Kramarczuk	Seats (Total: 39)
	F 9:00am - 9:50am Contact instructor or department for details.	HJP 3142

0107	Halli Weiner M 2:00pm - 2:50pm Contact instructor or department for details.	Seats (Total: 39) HJP 3142
0108	Shannon Hilton M 3:00pm - 3:50pm Contact instructor or department for details.	Seats (Total: 39) HJP 3142
0109	Elizabeth Massey W 10:00am - 10:50am Contact instructor or department for details.	Seats (Total: 39) HJP 3142
0110	Jaclyn Bruner F 11:00am - 11:50am Contact instructor or department for details.	Seats (Total: 39) HJP 3142
0111	Benjamin Huffman F 2:00pm - 2:50pm Contact instructor or department for details.	Seats (Total: 39) HJP 3142
0112	Mary Chey M 4:00pm - 4:50pm Contact instructor or department for details.	Seats (Total: 39) HJP 3142
0113	Shabnam Jabeen W 9:00am - 9:50am Contact instructor or department for details.	Seats (Total: 39) HJP 3142
0114	Sara Strey F 10:00am - 10:50am Contact instructor or department for details.	Seats (Total: 39) HJP 3142
0115	Lena Johnson F 3:00pm - 3:50pm Contact instructor or department for details.	Seats (Total: 39) HJP 3142
FC01	Sara Strey W 5:00pm - 5:50pm Contact instructor or department for details. *Restricted to students in Freshmen Connection.*	Seats (Total: 40) HJP 3142

FIRE298 FIRE Semester 3

Credits: 3 Grading Method: Regular General Education: DSSP

Capstone course in the FIRE (First-Year Innovation & Research Experience) program sequence. Students in this course transition from trainee to practitioner in their lab. This course focuses on the concepts related to the process of independent research including collaboration with peers, communication of ideas, troubleshooting unexpected outcomes, and discipline-specific methodologies.

This is the third course in the First-Year Innovation & Research Experience (FIRE) program sequence. All sections require a minimum commitment of 6 hours/week in an on-campus research environment.

0101	Catherine Spirito Th 3:30pm - 4:20pm Contact instructor or department for details. *Molecular Diagnostics*	Seats (Total: 24) HJP 3142
0102	Danielle Niu W 4:00pm - 4:50pm Contact instructor or department for details. *Project Greenhouse*	Seats (Total: 36) HJP 3142
0103	Cherisse Hall Th 2:00pm - 2:50pm Contact instructor or department for details. *Bacterial Pathogenesis*	Seats (Total: 36) HJP 3142
0104	Jessica O'Hara W 11:00am - 11:50am Contact instructor or department for details. *Host-Pathogen Interactions*	Seats (Total: 36) HJP 3142
0105	Quira Zeidan W 12:00pm - 12:50pm Contact instructor or department for details. *CellEx*	Seats (Total: 36) HJP 3142
0106	Halli Weiner W 1:00pm - 1:50pm Contact instructor or department for details. *Fertility Science*	Seats (Total: 36) HJP 3142
0107	Benjamin Huffman W 2:00pm - 2:50pm Contact instructor or department for details. *Global Development & Design*	Seats (Total: 40) ESJ 2101

0108	Elizabeth Massey Tu 9:30am - 10:20am Contact instructor or department for details. *Music & Social Identity*	Seats (Total: 40) HJP 3142
0109	Shannon Hilton W 3:00pm - 3:50pm Contact instructor or department for details. *Rapid Diagnostics*	Seats (Total: 40) HJP 3142
0110	Jaclyn Bruner Th 11:00am - 11:50am Contact instructor or department for details. *Visualizing Social Justice*	Seats (Total: 40) HJP 3142
0111	Mary Chey Tu 3:30pm - 4:20pm Contact instructor or department for details. *Gene Silencing*	Seats (Total: 36) HJP 3142
0112	Kristina Kramarczuk Tu 11:00am - 11:50am Contact instructor or department for details. *Sustainability Analytics*	Seats (Total: 40) HJP 3142
0113	Kristina Kramarczuk Th 9:30am - 10:20am Contact instructor or department for details. *Computing & Society*	Seats (Total: 40) HJP 3142
0114	Shabnam Jabeen Tu 2:00pm - 3:15pm Contact instructor or department for details. *Quantum Machine Learning*	Seats (Total: 40) HJP 3142
0115	Sara Strey Th 12:30pm - 1:20pm Contact instructor or department for details. *Climate Computing*	Seats (Total: 40) HJP 3142

0116	Lena Johnson Tu 12:30pm - 1:20pm Contact instructor or department for details. *BioInspired Robotics*	Seats (Total: 40) HJP 3142

FIRE398 **FIRE Research Leadership**

Credits: 1-3 Grading Method: Regular

Earn academic credit for the time spent supporting, mentoring, and leading students in FIRE Research streams.

This course is for students serving as FIRE Peer Research Mentors.

0101	Catherine Spirito Class time/details on ELMs *Molecular Diagnostics*	Seats (Total: 15) ONLINE
0102	Danielle Niu Class time/details on ELMs *Project Greenhouse*	Seats (Total: 15) ONLINE
0103	Cherisse Hall Class time/details on ELMs *Bacterial Pathogenesis*	Seats (Total: 15) ONLINE
0104	Jessica O'Hara Class time/details on ELMs *Host-Pathogen Interactions*	Seats (Total: 15) ONLINE
0105	Quira Zeidan Class time/details on ELMs *CellEx*	Seats (Total: 15) ONLINE
0106	Halli Weiner Class time/details on ELMs *Fertility Science*	Seats (Total: 15) ONLINE
0107	Benjamin Huffman Class time/details on ELMs *Global Development & Design*	Seats (Total: 15) ONLINE

0108	Elizabeth Massey Class time/details on ELMs *Music & Social Identity*	Seats (Total: 15) ONLINE
0109	Shannon Hilton Class time/details on ELMs *Rapid Diagnostics*	Seats (Total: 15) ONLINE
0110	Jaclyn Bruner Class time/details on ELMs *Visualizing Social Justice*	Seats (Total: 15) ONLINE
0111	Mary Chey Class time/details on ELMs *Gene Silencing*	Seats (Total: 15) ONLINE
0112	Instructor: TBA Class time/details on ELMs *Sustainability Analytics*	Seats (Total: 15) ONLINE
0113	Kristina Kramarczuk Class time/details on ELMs *Computing & Society*	Seats (Total: 15) ONLINE
0114	Shabnam Jabeen Class time/details on ELMs *Quantum Machine Learning*	Seats (Total: 15) ONLINE
0115	Sara Strey Class time/details on ELMs *Climate Computing*	Seats (Total: 15) ONLINE
0116	Lena Johnson Class time/details on ELMs *BioInspired Robotics*	Seats (Total: 15) ONLINE

FMSC Family Science Fall 2025

FMSC110 Families and Global Health

Credits: 3 Grading Method: Regular General Education: DSHS, DVCC

Students will explore, define, and study global health, social determinants of health, health inequalities, gender inequality, family violence, and maternal and child health using a global perspective.

0301	Martha Yumiseva MWF 1:00pm - 1:50pm *Restricted to Family Science majors.*	Seats (Total: 20) SPH 0308
0302	Martha Yumiseva MWF 1:00pm - 1:50pm *Restricted to All SPH majors.*	Seats (Total: 20) SPH 0308

FMSC110S Families and Global Health

Credits: 3 Grading Method: Regular General Education: DSHS, DVCC

Students will explore, define, and study global health, social determinants of health, health inequalities, gender inequality, family violence, and maternal and child health using a global perspective.

0101	Elisabeth Maring TuTh 12:30pm - 1:45pm *Restricted to CPSP Global Public Health (CPGH) students.*	Seats (Total: 96) CCC 1100

FMSC123 Personal Financial Literacy: From Distress to Success

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Exploring strategic thinking, career, education, financial planning during college years as the foundation for success in living a meaningful life. While introducing relevant institutions and tools & techniques that are critical for financial planning, this course applies value-based goal setting and strategic planning that inform individuals' paths for a successful career, educational attainment, and optimum (mental, physical and financial) wellbeing throughout their life cycle. The course particularly emphasizes the individual's responsibility of living in an institution rich society, where, continuous learning, understanding institutions, rational decision-making, valuing relationships and networking, early career development, record keeping, budgeting, generating income and wealth, purposeful spending, saving and investing, tax planning, appropriate use of loans, risk taking and insurance, and retirement planning are well rewarded and ensure the optimum use of college years and the rest of life-course.

0101	Manouchehr Mokhtari Class time/details on ELMs	Seats (Total: 40) ONLINE

FMSC126 International Family Law: Parent/Child Relationship in the Americas

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

In this Global Classroom, U.S. students will work synchronously online with their international peers in Brazil to critically think about cutting-edge ethical, legal, and policy, issues in the field of International Family Law focusing on the parent/child relationship. Topics range from education, foster care, to human development. Students contrast parents' rights to raise their children as they see fit with the tension when the state steps in to provide protection in areas like medical decision making and child abuse and consider the social, cultural, racial, religious, economic, or socioeconomic contexts that influence each of these topics. In so doing, students will be challenged to think critically and see their place in creating actionable change in a global society.

0101	Kerry Tripp	Seats (Total: 15)
	Tu 2:00pm - 3:45pm	ONLINE
	Class time/details on ELMs	ONLINE

FMSC177 BE WELL: Building Emotional Wellness through ExperientiaL Learning

Credits: 1 Grading Method: Regular

Students on UMD campus experience new challenges to their mental health and well-being every semester, and there are limited resources to help students manage their own health or to support their peers. This experiential skill development workshop course is designed to assist students in developing their knowledge in ways to recognize, manage, and cope with symptoms of stress, anxiety, and depression. There is a focus on coping with pandemic-related and course-related concerns, relationship issues, and a range of other student concerns.

0101	Maria Graviet, Amy Morgan	Seats (Total: 30)
	Meets September 8, 2025 - October 17, 2025	
	M 1:00pm - 2:30pm	SPH 0302
	Contact instructor or department for details.	
0102	Maria Graviet, Amy Morgan	Seats (Total: 30)
	Meets October 27, 2025 - December 8, 2025	
	M 1:00pm - 2:30pm	SPH 0302
	Contact instructor or department for details.	

FMSC190S Man Up! Where Are The Fathers?

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSHS, SCIS

An examination of changing fatherhood roles, health, and inequality in diverse families. Focus will be on masculinities and disparities among men by race and class; provider role expectations; and trauma and violence faced by men in contemporary society.

Restricted to College Park Scholars.

0101	Kevin Roy	Seats (Total: 40)
	TuTh 9:30am - 10:45am	CCC 1200

FMSC260 **Couples, Marriage, and Families: Intimate Relationship Across the Life Course**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

Covers the different aspects of couple relationships and family life. This includes common problems in couple relationships, and resources to strengthen couple and family relationships. You will also learn about stages of relationships, theories of love and family, policy related to couples and family formation, and how research is conducted with couples and families. Together, we will discuss and explore issues that couples and families face in modern times and will consider how many of these issues have changed due to policy, technology, attitudes, and a variety of other societal factors that impact relationships in the 21st century. You will also learn important methods of strengthening current and future relationships.

Restricted to Majors or non-majors with less than or equal to 60 credits.

0101	Liann Brown	Seats (Total: 55)
	TuTh 12:30pm - 1:45pm	ESJ 2309

FMSC270 **Sex, Drugs, and Social Media: Adolescent Health and Development**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

This course will ask: How can families, schools, communities, and society help adolescents to navigate contemporary stressors and develop into physically and mentally healthy adults? To do this, we will use research, and an understanding of adolescent development, to explore and analyze issues affecting the health and behavior of American adolescents. Such issues include (but are not limited to) sex education, the role of social media in mental health, substance use, policing in schools, dating violence, suicide prevention, access to sexual and reproductive health care, and school start times. We will consider how adolescent well-being is shaped by social contexts, including the role of parents and family members, peers, schools, communities, social media, and culture. We will examine policies and programs that affect adolescents, how effective they are at promoting adolescent health, and how they might be improved to better support healthy adolescent development.

0101	Amy Lewin	Seats (Total: 30)
	MW 11:00am - 12:15pm	EGR 3106

FMSC286 **Assisted Reproduction Law and Policy in the US and Brazil**

Credits: 3 | Grading Method: Regular, Pass-Fail

Credit only granted for: FMSC186 or FMSC286. Additional information: This is a global classroom course where students will learn online, meet once a week in a synchronous class on Webex with their Brazilian classmates, and work individually via Webex in small international groups.

In this Global Classroom, U.S. students will work synchronously online with their international partners in Brazil to critically think about cutting-edge ethical, legal, policy and scientific issues in the field of Assisted Reproduction Technologies (ART) in the two countries. This course looks at conventional families created in unconventional ways to examine such topics as sperm and egg donation, in vitro fertilization, surrogacy, reproductive organ transplants and more - while considering the social, cultural, racial, religious, economic, or socioeconomic contexts that influence each. Students will work with their foreign peers in small groups to compare ART in each country and then create proposed legislation for either the U.S. or Brazil which their international group will present online to their colleges and submit to the country's legislators. In so doing, students will be challenged to think critically and see their place in creating actionable change in a global society.

0101	Kerry Tripp	Seats (Total: 15)
	M 2:30pm - 3:45pm Class time/details on ELMs	ONLINE ONLINE

FMSC290 **Family Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: FMSC290 or FMST290. Formerly: FMST290.

Application of economic methodology to study families under various economic situations. Examination of how decisions about marriage, divorce, fertility, consumption and time use are influenced by labor/housing markets, tax structure, social welfare benefits and other economic considerations.

Restricted to Majors or non-majors with less than or equal to 60 credits.

0101	Dina Rady	Seats (Total: 48)
	MW 6:00pm - 7:15pm	PHY 2214

FMSC302 **Research Methods in Family Science**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, DSSP

Prerequisite: Must have completed an introductory statistics course. Restriction: Must be in a major within SPHL-Family Science department.

Introduction to the methods of the social and behavioral sciences employed in family science. The role of theory, the development of hypotheses, measurement, design, and data analysis.

0101	Pond Ezra	Seats (Total: 50)
	MW 9:00am - 10:15am	SPH 1303

FMSC310 **Maternal, Child and Family Health**

Credits: 3 Grading Method: Regular, Pass-Fail

Credit only granted for: FMSC310, FMSC410 or FMSC498A. Formerly: FMSC498A and FMSC410. Additional information: A comprehensive understanding of maternal, child, and family health, with additional emphasis on environmental health, needs assessment and evaluation, enabling students to more effectively address issues in the workplace.

Overview of the major issues in Maternal, Child, and Family Health in the U.S. and the world. The course will cover the social, political, environmental, and economic factors that shape the health of women, children, and families throughout the life course. It will employ the core disciplines of public health -- 1) epidemiology/biostatistics, 2) environmental health, 3) health policy and administration, and 4) social and behavioral health -- to examine these factors. The course introduces specific issues and interventions and places these issues and interventions within their broad sociohistorical context.

0101	Marie Thoma MW 11:00am - 12:15pm	Seats (Total: 48) SPH 1302
0401	Cinthya Alberto TuTh 9:30am - 10:45am	Seats (Total: 48) CCC 1100
0501	Shikha Chandarana TuTh 12:30pm - 1:45pm	Seats (Total: 48) ONLINE

FMSC330 **Family Health: Health Happens in Families**

Credits: 3 | Grading Method: Regular, Audit | General Education: DSHS, DVUP

Restriction: Sophomore standing or higher.

The objective of this gateway course is to help you understand and apply basic theories and empirical data on family health. The course is designed to provide you with skills to think critically about theories including: Life Course Theory, the Bio-Ecological and Social-Ecological Models, and Systems Theory. We will ask questions about the distinct qualities and intersections of contexts and characteristics that impact the functioning of families. We will apply theory and research to topical issues in family health that are impacted by social structures such as conflict, crisis, migration, incarceration and inequalities.

0201	Kevin Roy TuTh 12:30pm - 1:45pm	Seats (Total: 55) SPH 1303

FMSC332 **Children in Families**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

Prerequisite: Minimum grade of C- in PSYC100, SOCY100 or SOCY105. Credit only granted for: FMSC332 or FMST332. Formerly: FMST332.

A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

0101	Kimberly Van Putten-Gardner TuTh 11:00am - 12:15pm	Seats (Total: 65) SPH 1303
0201	Christine Schull MW 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 60) SPH 1303 ONLINE

FMSC340 **Mental Health and Healing in Families**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Using an interdisciplinary approach to study mental health, mental wellness, and substance use, we will answer questions such as: How has our understanding and treatment of mental health changed throughout history? What are the current prevalence patterns and risk factors associated with mental health conditions? What is the prevention to postvention continuum? What is the role of relationships, families, and communities in addressing mental health? How do we diagnose and treat various mental health disorders using the best available research? And, what are the various mental health disciplines and how do they differ? This course is designed to examine mental health issues across the life course. We will explore the influence of social contexts, including racism and additional forms of othering, on mental health and wellness, and introduce the health systems that support mental health prevention and treatment.

0101	Amy Morgan TuTh 9:30am - 10:45am *Restricted to Family Science Majors*	Seats (Total: 35) SPH 1302
0102	Amy Morgan TuTh 9:30am - 10:45am	Seats (Total: 13) SPH 1302

FMSC341 **Personal and Family Finance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Credit only granted for: FMSC341 or FMST341. Formerly: FMST341.

Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

0101	Manouchehr Mokhtari Class time/details on ELMs	Seats (Total: 45) ONLINE

FMSC374 **Working with Diverse Families in Public Health Services**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in FMSC330.

Focuses on the "doing" and modeling of skills required in navigating diverse social environments with families. These skills are necessary to engage in authentic work as family scientists, public health professionals, and family health practitioners. Using an intersectional framework, we will examine cultural, ethnic, and linguistic diversity for families impacted by challenges to equity and privilege. The course material emphasizes deep knowledge and skill building towards cultural sensitivity, including history, values, language, religion, and communication with families across multiple racial and ethnic backgrounds. Students will also explore differences emerging from experiences of poverty, sexual orientation and gender identity, and disability. The goal of the course is to support students in developing a family/professional alliance for health and well-being.

0101	Suzanne Muir TuTh 2:00pm - 3:15pm	Seats (Total: 40) SPH 1301

FMSC381 **Family Inequality**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DSHS, DVUP

Prerequisite: Minimum grade of C- in PSYC100, SOCY100, or SOCY105. Restriction: Must be in a major within SPHL-Family Science department.

Social, political, cultural and economic factors influencing income and wealth in American families.

0201	Natasha Williams TuTh 3:30pm - 4:45pm	Seats (Total: 40) ONLINE

FMSC383 **Health and Human Services Delivery and Evaluation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FMSC330. Restriction: Must be in a major within SPHL-Family Science department.

Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

0101	Ghaffar Hurtado Choque MW 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 48) SPH 0302 ONLINE

FMSC399 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

FMSC432 **Adult Development and Aging in Families**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in PSYC100. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC432 or FMST432. Formerly: FMST432.

Theory, research, history, and programming related to adult development and aging in the intergenerational context of family.

0201	Christine Schull	Seats (Total: 40)
	MW 10:00am - 10:50am Class time/details on ELMs	SPH 1301 ONLINE

FMSC460 **Violence in Families**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP

Prerequisite: SOCY100, SOCY105, or PSYC100. Credit only granted for: FMSC460 or FMST460. Formerly: FMST460.

Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

0101	Christine Schull	Seats (Total: 48)
	MW 9:00am - 9:50am Class time/details on ELMs	SPH 1301 ONLINE

FMSC477 **Internship and Analysis in Family Science**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FMSC383; and 9 credits in FMSC courses; and permission of SPHL-Family Science department. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC477, FMST347, or FMST477. Formerly: FMST477.

A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures.

0101	Julie Donney, Anna Lacy	Seats (Total: 48)	
	M 1:00pm - 2:30pm Class time/details on ELMs	SPH 1301 ONLINE	Lab

FMSC487 **Family Law**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Designed for students interested in studying the law, public health, and family science, this course provides students with a general overview of family law and the impact on healthy families. The course also includes the study of cutting-edge issues such as marriage equality, assisted reproduction and ethical issues that may arise.

0101	Kerry Tripp Th 9:30am - 10:45am Class time/details on ELMs	Seats (Total: 45) BPS 0283 ONLINE
0201	Kerry Tripp Th 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 45) SPH 1302 ONLINE

FMSC498 **Special Topics: Family Science; Family Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Special course topics in family studies.

Contact department for information to register for this course.

FMSC498H **Special Topics: Family Science; Family Studies Honors Thesis**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Special course topics in family studies.

Contact department for information to register for this course.

FMSC606 **Ethnic Families and Health Disparities**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: FMSC606 or FMST606. Formerly: FMST606.

Historical, psychosocial, economic, and political factors influencing the structure and functioning of ethnic families. Overview of racial and ethnic health disparities over the life course and ways in which they are influenced by multi-level contextual factors.

0101	Sherri-Chanelle Brighthaupt Th 2:00pm - 4:45pm	Seats (Total: 15) Location: TBA

FMSC631 **Trauma & Addiction in Family Life**

Credits: 3 Grading Method: Regular

Credit only granted for: FMSC631 or FMSC698A. Formerly: FMSC698A.

Introduces students to traumatic stress, trauma- and stressor-related disorders, and substance-related and addictive disorders. Students will learn about risk factors for traumatic stress along the lifespan and individual and family resiliency to these conditions. This course will provide students with the tools necessary for assessment and diagnosis of trauma- and stressor-related disorders and substance-related and addictive disorders. Students will become knowledgeable about the short-term and long-term consequences of traumatic stress and learn about research-supported best clinical practices for the treatment of trauma- and stressor-related disorders, and substance-related and addictive disorders. The students will also learn about recognizing and preventing burnout, compassion fatigue, and secondary traumatization.

0101	Mona Mittal	Seats (Total: 15)
	Th 10:00am - 12:45pm	Location: TBA

FMSC640 **Family Therapy: Theory and Techniques**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: FMSC640 or FMST640. Formerly: FMST640.

Overview of fundamental theoretical concepts and clinical procedures in marital and family therapy, with an emphasis on those therapies which operate from a family systems perspective.

0101	Tiara Fennell	Seats (Total: 11)
	M 1:00pm - 3:45pm	Location: TBA

FMSC642 **Normal and Abnormal Individual and Family Development**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: FMSC640. Credit only granted for: FMSC642 or FMST642. Formerly: FMST642.

Normal development and psychopathology in the family system. Emphasis on parent-child relationships and application of the current Diagnostic and Statistical Manual of Mental Disorders (DSM) to family therapy.

Formerly: FMST642. Credit only granted for FMSC642 or FMST642. Prerequisite: FMSC640. Normal development and psychopathology in the family system. Emphasis on parent-child relationships and application of the current Diagnostic and Statistical Manual of Mental Disorders (DSM) to family therapy.

0101	Tiara Fennell	Seats (Total: 15)
	M 9:00am - 11:45am	Location: TBA

FMSC650 **Ethical, Legal, and Professional Principles in Couple and Family Therapy**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Family Science department. Restriction: Must be in Couple and Family Therapy (Master's) program.

This course offers an introduction to the basic principles and practices in couple and family therapy. It covers major theoretical approaches to couple and family therapy, linking core concepts to practical aspects of assessment and treatment. Readings, didactic presentations by the instructor, and class discussions are designed to build students' knowledge of both generic therapy skills and specific techniques within each theoretical model. Emphasis is given to professional ethics, standards, and clinical skills/techniques necessary for the beginning family practitioner. Students become familiar with professional ethical codes as well as ethical decision-making models and how to apply them in clinical practice. In-class roleplays are used for practicing specific assessment and treatment methods, as well as for gaining experience in responding appropriately to a variety of common professional and ethical issues that arise in clinical practice.

0101	Erica Turner Tu 10:00am - 12:45pm	Seats (Total: 25) Location: TBA

FMSC652 **Psychopathology and Diagnosis in Family Systems**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: FMSC651. Restriction: Must be in Couple and Family Therapy (Master's) program.

The purpose of this course is to assist intermediate family therapists in further developing their knowledge, clinical, and professional expertise by deepening their understanding of major child and adult psychopathology. Further, students will learn to apply this knowledge to their clinical work, particularly in addressing individual family members' psychopathology within the context of family relationships. Major foci of the course include assessment and diagnostic interviewing in family therapy, and intervention with forms of psychopathology such as depression, anxiety disorders, substance abuse, and major mental disorders with clients who present for couple and family therapy.

0101	Stella Li Tu 1:00pm - 3:45pm	Seats (Total: 20) Location: TBA

FMSC658 **Supervised Clinical Practice in Couple and Family Therapy**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

This course is designed to provide supervision of family, couple, and individual therapy client contact. This course is limited to, and required of, all students admitted to the Couples and Family Therapy (CFT) Program. Supervision utilizes various family systems models and differing methods are employed.

Prerequisite: FMSC650 and permission of instructor.

0101	Tiara Fennell W 9:00am - 12:00pm	Seats (Total: 20) Location: TBA

FMSC660 **Program Planning and Evaluation in Family Science**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: FMSC660 or FMST660. Formerly: FMST660.

Theory and methods of program planning and evaluation with special emphasis on family programs. Assessment of program goals and the social and psychological factors involved in program implementation. Methods for measuring the effectiveness of program delivery, as well as the impact of services on family functioning.

0101	Amy Lewin M 1:00pm - 3:45pm	Seats (Total: 15) Location: TBA

FMSC689 **Research Internship**

(Perm req)

Credits: 3 Grading Method: Regular

Research experience resulting in a scholarly article suitable for publication in a peer-reviewed journal.

Contact department for information to register for this course.

FMSC698 **Advanced Topics in Family Science**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Arranged group study on specific topic which may vary from term to term.

Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC699 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Contact department for information to register for this course.

FMSC745 **Diversity and Social Justice In Couple and Family Therapy**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: FMSC745 or FMST745. Formerly: FMST745.

The purpose of this course is to improve students' cultural competence by sensitizing them to sources of bias in family service delivery, particularly those associated with race, culture/ ethnicity, social class, gender, sexual orientation, immigration, spirituality, and ability. Students will be introduced to major critiques of service delivery, couple and family therapy, and research from each of these perspectives, as well as recommendations for addressing these issues in practice.

0101	Jasmine Ferrill Th 5:00pm - 7:45pm	Seats (Total: 15) Location: TBA

FMSC789 **Non-Thesis Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Non-thesis option research papers.

Contact department for information to register for this course.

FMSC799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC850 **Maternal & Child Health Epidemiology**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Restriction: Permission of instructor. Credit only granted for: FMSC850, FMST698P, or FMST850. Formerly: FMST850.

Determinants and trends in Maternal and Child Health, including analysis of the role of economic inequalities, race and ethnicity, community contexts, and psychosocial factors across the life course. Overview of methods and data systems used to monitor Maternal and Child Health. Development of a complete population health study.

0101	Marie Thoma	Seats (Total: 15)
	Tu 1:00pm - 3:45pm	Location: TBA

FMSC879 **Preparing Future Faculty and Professionals Seminar**

Credits: 1 Grading Method: Regular, Audit

Development of skills necessary to obtain and succeed in academic and non-academic positions in family science and public health. Topics include: career mapping, networking, teaching/teaching portfolios, independent research, publishing, grant writing, program and policy evaluation, consulting, job search, interviewing and negotiation, mentoring, diversity, work-family balance, and ethical issues in the workplace. Periodic visits to universities and government/nonprofit employers.

0101	Mia Smith-Bynum	Seats (Total: 30)
	Th 12:00pm - 12:50pm	Location: TBA

FMSC898 **Pre-Candidacy Research; Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

FMSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

FREN French Fall 2025

FREN103 Intensive Elementary French

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate World Language Placement (WLP) score. Restriction: Must not be a native/fluent speaker of French.

Covers speaking, reading, writing, listening, and culture of French-speaking world.

0101	Victor Abioye MWF 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 18) JMZ 0118 ONLINE
0201	Yaovi Modjinou MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 18) JMZ 0118 ONLINE
0301	Loic Filipe-Hemery MWF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 18) JMZ 0118 ONLINE

FREN203 Intensive Intermediate French

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: FREN103; or must have appropriate World Language Placement (WLP) score. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN201 or FREN203.

Covers speaking, reading, writing, listening, and culture of French-speaking world.

0101	Hamdia Braimah MWF 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 20) JMZ 3205 ONLINE
0201	Haydn Colucci MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 20) JMZ 3205 ONLINE
0301	Madeline Muravchik MWF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 20) JMZ 3205 ONLINE

FREN204 French Grammar and Composition

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: FREN203; or must have appropriate World Language Placement (WLP) score. Restriction: Not open to native/fluent speakers of French.

Intensive study of French grammar and composition.

0101	Kevin Guerrero Hernandez MWF 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 18) JMZ 3120 ONLINE
0201	Madeline Muravchik MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 18) JMZ 3120 ONLINE

FREN211 **French Reading and Conversation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: FREN203. Restriction: Must not be a native/fluent speaker of French.

Practice in spoken French at intermediate level based on readings in a variety of genres. Written homework and exams.

Contact department for information to register for this course.

FREN242 **Francophone Writers of Africa and the African Diaspora**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

An analysis of the works and ideas of 20th and 21st century Francophone writers (Africa, the Caribbeans, France). Taught in English.

0101	Cecile Accilien TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 3120

FREN243 **Masterpieces in French and Francophone Cinemas**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA, D | General Education: DSHU

This course, taught in English, will present a large array of films directed by famous French directors (Jean Renoir, Robert Bresson, Jean-Luc Godard, Agnes Varda, etc..) and Francophone filmmakers (Arcand, Sembene) who were internationally known in their time and have had a considerable influence on today's filmmakers in the U.S. (Tarantino, Lynch, Lee, etc..) and abroad (Sissoko, Angelopoulos, VonTrier, ect..).

XLed with CINE298A. Credits granted for CINE298A or FREN243 only.

0101	Caroline Eades MW 2:00pm - 3:15pm	Seats (Total: 20) JMZ 0103

FREN250 **Introduction to Cultural and Textual Analysis**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Prerequisite: FREN204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN250 or FREN250H.

Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French.

Jointly offered with FREN 250H.

0101	Sarah Labat TuTh 11:00am - 12:15pm	Seats (Total: 18) JMZ 3203
0201	Apolline Lagarde TuTh 12:30pm - 1:45pm	Seats (Total: 18) JMZ 3203

FREN250H **Introduction to Cultural and Textual Analysis**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Prerequisite: FREN204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN250 or FREN250H.

Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French.

For general honors students only. Jointly offered with FREN 250.

0101	Sarah Labat TuTh 11:00am - 12:15pm	Seats (Total: 18) JMZ 3203
0201	Apolline Lagarde TuTh 12:30pm - 1:45pm	Seats (Total: 18) JMZ 3203

FREN269F **Special Topics in Study Abroad II; French Conversation I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

FREN269G **Special Topics in Study Abroad II; French Conversation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

FREN269P **Special Topics in Study Abroad II; Perspectives on Contemporary France**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

FREN301 **Composition and Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.

Grammatical analysis, elements of style; range of written genres.

0101	Morgan Stinson TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 2125
0201	Morgan Stinson TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 2125

FREN302 **Introduction to Translation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.

Hands-on practice in translation to include a variety of formats and texts (for example, advertising, legal, technical, literary, journalistic, media...) into French and/or English. Includes an extensive overview of translation techniques, theories and approaches. Taught mainly in French.

0101	Herve Campangne TuTh 3:30pm - 4:45pm	Seats (Total: 20) JMZ 3120

FREN306 **Commercial French I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.

Introduction to commercial French including correspondence and business terminology. Emphasis on cross-cultural concepts needed for successful interaction within business settings. Taught in French.

Contact department for information to register for this course.

FREN311 **Advanced Oral Expression**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.

Linguistic and thematic analysis of written, audio, and visual texts. Focus on aural and oral skills. Some written assignments and evaluation.

Contact department for information to register for this course.

FREN312 **France Today**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.

Analysis and discussion of current events and institutions using various French media resources.

Contact department for information to register for this course.

FREN313 **Current Issues in the French-Speaking World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.

Analysis and discussion of current events and institutions in the French-speaking world using various French-language media resources with an emphasis on countries and regions outside of France.

0101	Marilyn Matar	Seats (Total: 20)
	MW 2:00pm - 3:15pm	JMZ 1224

FREN351 **From Romanticism to the Age of Modernism and Beyond**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.

A survey of the chief authors and major movements of French literature from Pre-Romanticism to the present.

Jointly offered with FREN 351H.

0101	Hannah Wegmann TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 2120

FREN351H **From Romanticism to the Age of Modernism and Beyond**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.

A survey of the chief authors and major movements of French literature from Pre-Romanticism to the present.

Cross-listed with FREN351.

0101	Hannah Wegmann TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 2120

FREN352 **From the Age of Epic and Romance to the Enlightenment**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.

A survey of the chief authors and major movements of French literature from the Middle Ages to the end of the 18th century.

Contact department for information to register for this course.

FREN369F **Special Topics in Study Abroad III; Third Year French I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

FREN369G **Special Topics in Study Abroad III; Third-Year French II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

FREN369Y **Special Topics in Study Abroad III; Fourth-Year French I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

FREN386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

FREN387 **Critical Writing on France and the French-Speaking World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301. Restriction: Not open to Native speakers.

Intensive writing course based on focused study of issues and concerns drawn from French and Francophone literatures, films, and cultures. Elements of style, review of grammar. Taught in French.

Topic: France and International Relations

0101	Herve Campangne	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	JMZ 3120

FREN399 **Directed Study in French**

(Perm req)

Credits: 1-3 Grading Method: Regular

Advanced undergraduates develop syllabus, reading list, and course requirements with interested faculty member. Designed for in-depth study of material not offered in regular courses or as expansion of course material. To be planned during semester preceding registration.

Supervised work under professor of student's choice with permission of instructor. Contact department for details.

Contact department for information to register for this course.

FREN399A **Directed Study in French**

Credits: 3 Grading Method: Regular

Advanced undergraduates develop syllabus, reading list, and course requirements with interested faculty member. Designed for in-depth study of material not offered in regular courses or as expansion of course material. To be planned during semester preceding registration.

Contact department for information to register for this course.

FREN429G **Studies in French Literature and Culture of the Renaissance; Gender in the French Renaissance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in French literature of the Renaissance.

Prereq -- FREN387 Examines religious, sociopolitical, and literary constructions of gender in Renaissance France. Taught in French.

0101	Andrea Frisch	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	JMZ 3203

FREN469A **Studies in 20th Century French Literature and Culture; God and Man: A Search for Meaning in a World at War**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in twentieth-century French literature.

Prereq -- FREN387 Explores French literary responses to the first and second world wars focusing on the erosion of traditional spirituality and search for meaning in an altered world. Taught in French.

0101	Hannah Wegmann	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMZ 3120

FREN482 **Gender and Ethnicity in Modern French Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

Literature by women writers of France and other French speaking areas with a focus on the relationship between gender, ethnicity and writing. Taught in English.

0101	Cecile Accilien	Seats (Total: 20)
	TuTh 9:30am - 10:45am	JMZ 3120

FREN495H **Honors Thesis Research**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be admitted to the departmental honors program.

The writing of a paper under the direction of a professor in this department and an oral examination. Required to fulfill the departmental honors requirement.

Contact department for information to register for this course.

FREN499X **Special Topics in French Studies; Directed Study in French**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An aspect of French studies, the specific topic to be announced each time the course is offered.

Contact department for information to register for this course.

FREN629D **Special Topic in Sixteenth Century French Literature; Montaigne s Renaissance**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

An advanced survey of the literature, culture, and history of Renaissance France through the lens of Michel de Montaigne s Essais. Taught in French.

0101	Andrea Frisch	Seats (Total: 10)
	Tu 4:30pm - 7:15pm	JMZ 1103

FREN699O **Seminar; The Algerian Novel**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Topic to be determined each semester.

Offers a survey of works by Algerian authors, spanning from 1900 to the present. Taught in French.

0101	Valerie Orlando	Seats (Total: 10)
	M 4:30pm - 7:15pm	HJP 2114

FREN709 **College Teaching of French**

Credits: 1 Grading Method: Sat-Fail

Introduction to the teaching of French at the college level with particular emphasis on methodology. Seminars in theory, demonstration of different teaching techniques, supervised practice teaching, training in language laboratory procedures, evaluation of instructional materials. Required of all graduate assistants in French.

Restricted to FRIT and FRMS graduate students unless permission granted by instructor. Explores the theory and methodology of teaching French at the university level, combining practical study with hands-on experience.

0101	Madeline Muravchik	Seats (Total: 10)
	F 1:00pm - 1:50pm	JMZ 3106A

FREN798 **Master's Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

FREN799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

FREN889 **Doctoral Independent Study**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

FREN898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

FREN899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

GBHL Global Health Fall 2025

GBHL200 **Introduction to Global Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: GBHL200 or MIEH400. Formerly: MIEH400.

Designed to introduce you to global health. Global health challenges are immensely complex and underscore the multiple interconnections among social, economic, environmental, and biotechnological dimensions of health problems worldwide. Global health encompasses health care systems, medical practices, and ideas about illness in cross-cultural contexts, as well as issues of health development, global health inequity, racism and other -isms, and human rights issues. We will explore theoretical frameworks and practical perspectives shaping the global health ecosystem domestically, internationally, and virtually.

0101	Jennifer Zambriski TuTh 11:00am - 12:15pm	Seats (Total: 15) SPH 0302
0201	Jennifer Zambriski TuTh 11:00am - 12:15pm *Restricted to students in the Global Health major.*	Seats (Total: 15) SPH 0302

GBHL210 **Careers in Global Health**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Recommended: Sophomore standing. Restriction: Must have earned fewer than 90 credits.

Designed to introduce you to the global health careerscape: the various paths, current and emerging trends, possible employers, and essential skills for future professionals. We will use campus and external resources for career exploration as you identify opportunities to build your professional network and gain experience. Prepare to engage in future global health experiential learning through research, internships, study abroad or field work

0101	Jennifer Zambriski Tu 3:30pm - 4:45pm *Restricted to students in the Global Health major.*	Seats (Total: 5) PLS 1119

0201	Jennifer Zambriski	Seats (Total: 20)
	Tu 3:30pm - 4:45pm	PLS 1119

GBHL386 **Global Health Experiential Learning**

(Perm req)

Credits: 2-6 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in GBHL200 and GBHL210. Recommended: Upper level Global Health major courses. Restriction: Must have earned a minimum of 60 credits; and Permission of SPH-Global, Environmental, and Occupational Health department.

Supervised internship, independent study, or field work in global health conducted with oversight from faculty in the UMD Global Health program.

Prior approval of the Global Health program required.

Contact department for information to register for this course.

GBHL399 **Global Health Internship**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

The Global Health internship course provides students with academic, research and professional development accompanying a time-limited, supervised period of professional experience carried out in a related professional organization or research setting.

Prior approval of the Global Health program required.

0101	Hassanatu Blake	Seats (Total: 3)
	Class time/details on ELMs	ONLINE

GEMS Gemstone Fall 2025

GEMS101 **Introduction to Team Research**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Must be in the Gemstone program.

An introduction to the basic concepts and tools needed to evaluate and conduct research. It sets the stage for the research lifecycle and teaches students what they need to know and do before embarking on research endeavors. Students will engage in the early stages of the research process and navigate the consumption and analysis of primary literature while working on interdisciplinary teams. They will undergo the iterative process of identifying gaps in the literature and think creatively about how a team of undergraduates could contribute to solving the world's grand challenges while recognizing constraints such as feasibility, timelines, budgets, novelty, and more. Students will learn skills for collaboration and navigating interdisciplinary teams and together will author and communicate components of a preliminary research proposal.

0101	Allison Lansverk M 5:00pm - 6:15pm W 10:30am - 11:45am	Seats (Total: 10) ESJ 0202 ELL 0100A	 Discussion
0102	Allison Lansverk M 5:00pm - 6:15pm W 12:00pm - 1:15pm	Seats (Total: 10) ESJ 0202 ELL 0102	 Discussion
0103	Allison Lansverk M 5:00pm - 6:15pm W 2:00pm - 3:15pm	Seats (Total: 10) ESJ 0202 ELL 0100A	 Discussion
0104	Allison Lansverk M 5:00pm - 6:15pm W 3:00pm - 4:15pm	Seats (Total: 10) ESJ 0202 ELL 0102	 Discussion
0105	Allison Lansverk M 5:00pm - 6:15pm W 4:00pm - 5:15pm	Seats (Total: 10) ESJ 0202 ELL 0100A	 Discussion
0106	Allison Lansverk M 5:00pm - 6:15pm Th 9:30am - 10:45am	Seats (Total: 10) ESJ 0202 ELL 0100A	 Discussion
0107	Allison Lansverk M 5:00pm - 6:15pm Th 11:00am - 12:15pm	Seats (Total: 10) ESJ 0202 ELL 0100A	 Discussion
0108	Allison Lansverk M 5:00pm - 6:15pm Th 11:00am - 12:15pm	Seats (Total: 10) ESJ 0202 ELL 0102	 Discussion
0109	Allison Lansverk M 5:00pm - 6:15pm Th 12:30pm - 1:45pm	Seats (Total: 10) ESJ 0202 ELL 0100A	 Discussion
0110	Allison Lansverk M 5:00pm - 6:15pm Th 2:00pm - 3:15pm	Seats (Total: 10) ESJ 0202 ELL 0102	 Discussion

0111	Allison Lansverk M 5:00pm - 6:15pm Th 2:30pm - 3:45pm	Seats (Total: 10) ESJ 0202 ELL 0100A	Discussion
0112	Allison Lansverk M 5:00pm - 6:15pm F 9:30am - 10:45am	Seats (Total: 10) ESJ 0202 ELL 0102	Discussion
0113	Allison Lansverk M 5:00pm - 6:15pm F 10:00am - 11:15am	Seats (Total: 10) ESJ 0202 ELL 0100A	Discussion
0114	Allison Lansverk M 5:00pm - 6:15pm F 11:00am - 12:15pm	Seats (Total: 10) ESJ 0202 ELL 0102	Discussion
0115	Allison Lansverk M 5:00pm - 6:15pm F 12:00pm - 1:15pm	Seats (Total: 10) ESJ 0202 ELL 0100A	Discussion

GEMS202 **Team Dynamics and Research Methodology**

Credits: 2 Grading Method: Regular General Education: DSSP

Prerequisite: GEMS100, GEMS102, and GEMS104. Corequisite: GEMS296. Restriction: Must be in the Gemstone program; and sophomore standing or higher.

This experiential course is designed to foster an understanding of effective team dynamics and basic research methodology. It will teach skills applicable to Gemstone team research and the writing of a team thesis. Upperclass Gemstone students serve as discussion facilitators. Students participate in their Gemstone teams and develop a draft of their team thesis proposal.

0101	Allison Lansverk, David Lovell Tu 5:00pm - 6:30pm Contact instructor or department for details.	Seats (Total: 168) EGR 1202	

GEMS208A **Special Topics in Leadership and Team Development; Team Dynamics and Research Methodology: First Time Section Leader**

Credits: 3 Grading Method: Regular

Principles, methods and types of leadership and team development with an emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

Restriction: Must be in the Gemstone program.

0101	Allison Lansverk	Seats (Total: 14)
	Contact instructor or department for details.	

GEMS208B **Special Topics in Leadership and Team Development; Team Dynamics and Research Methodology: Returner Section Leader**

Credits: 1-3 Grading Method: Regular

Principles, methods and types of leadership and team development with an emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

Restriction: Must be in the Gemstone program.

0101	Allison Lansverk	Seats (Total: 14)
	Class time/details on ELMs	ONLINE

GEMS208C **Special Topics in Leadership and Team Development; Introduction to Gemstone: First Time Section Leader**

Credits: 1-3 Grading Method: Regular, Audit

Principles, methods and types of leadership and team development with an emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

Restriction: Must be in the Gemstone program. These classes are scheduled in the Ellicott building.

0101	Allison Lansverk	Seats (Total: 23)
	Contact instructor or department for details.	

GEMS208D **Special Topics in Leadership and Team Development; Introduction to Gemstone: Returner Section Leader**

Credits: 1-3 Grading Method: Regular, Audit

Principles, methods and types of leadership and team development with an emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

Restriction: Must be in the Gemstone program. These classes are scheduled in the Ellicott building.

0101	Allison Lansverk	Seats (Total: 10)
	Contact instructor or department for details.	

GEMS208J **Special Topics in Leadership and Team Development; Gems Camp**

Credits: 1-3

Grading Method: Regular, Audit

Principles, methods and types of leadership and team development with an emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

0101	Allison Lansverk	Seats (Total: 24)
	Contact instructor or department for details.	

GEMS208K **Special Topics in Leadership and Team Development; GEMS Connect**

Credits: 1-3

Grading Method: Regular, Audit

Principles, methods and types of leadership and team development with an emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

Restriction: Must be in the Gemstone program.

0101	Allison Lansverk	Seats (Total: 50)
	Contact instructor or department for details.	

GEMS208P **Special Topics in Leadership and Team Development; Gemstone Leadership Council**

Credits: 1-3

Grading Method: Regular, Audit

Principles, methods and types of leadership and team development with an emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

0101	Allison Lansverk	Seats (Total: 20)
	Contact instructor or department for details.	

GEMS208Q **Special Topics in Leadership and Team Development; Facilitator TA**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Principles, methods and types of leadership and team development with an emphasis on group discussion and decision making. Reading, discussion and exploration of the basic team concept, communications for winning scenarios, goal setting, problem solving, conflict resolution and research methods.

0101	Jazmin Pichardo	Seats (Total: 2)
	Contact instructor or department for details.	

GEMS296 Team Project Seminar I

Credits: 1 Grading Method: Regular

Prerequisite: GEMS100, GEMS102, and GEMS104. Corequisite: GEMS202. Restriction: Must be in the Gemstone program with sophomore standing in a research team.

This is the first of six seminars during which Gemstone students carry out multidisciplinary research with the guidance of a faculty mentor. The teams develop their working relationship, start their literature search, define their research question, and set short & long term goals.

0101	Michael Humber Contact instructor or department for details.	Seats (Total: 14)
0102	Seth Dickey, Joshua Weitz Tu 8:00am - 8:50am	Seats (Total: 14) BPS 3279
0103	Cecilia Huertas Cerdeira M 5:00pm - 5:50pm	Seats (Total: 14) AJC 5104
0104	Rodolphe Gentili Contact instructor or department for details.	Seats (Total: 14)
0105	Allison Reilly M 8:00am - 8:50am	Seats (Total: 14) AJC 2119
0106	Peter Sunderland F 4:00pm - 4:50pm	Seats (Total: 14) JMP 3106
0107	Brett Lacey Th 8:00am - 8:50am	Seats (Total: 14) LEF 2207
0108	Natalia Buzulukova M 8:00am - 8:50am	Seats (Total: 14) ATL 1114
0109	Anil Deane W 5:00pm - 5:50pm	Seats (Total: 14) ONLINE
0110	Colenso Speer M 9:00am - 9:50am	Seats (Total: 14) ESJ 1309
0111	Instructor: TBA Contact instructor or department for details.	Seats (Total: 14)

0112	Instructor: TBA Contact instructor or department for details.	Seats (Total: 14)
0114	Instructor: TBA Contact instructor or department for details.	Seats (Total: 14)
0115	David Lovell Contact instructor or department for details.	Seats (Total: 5)

GEMS297 **Team Project Seminar II**

Credits: 2 Grading Method: Regular

Restriction: Must be in the Gemstone program with sophomore standing in a research team.

This is the second of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team develops its website, prepares and presents its research proposal and begins its research project.

0113	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

GEMS396 **Team Project Seminar III**

Credits: 2 Grading Method: Regular

Prerequisite: GEMS297. Restriction: Must be in the Gemstone program with junior standing in a research team.

This is the third of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team presents its progress at the Gemstone Colloquia.

0101	Eric Haag M 4:00pm - 4:50pm F 4:00pm - 4:50pm	Seats (Total: 14) HBK 1108 ONLINE
0102	Mohammad Nayeem Teli F 2:45pm - 3:35pm W 2:30pm - 3:20pm	Seats (Total: 14) ONLINE ONLINE
0103	Norberto Gonzalez- Juarbe M 4:00pm - 4:50pm F 5:00pm - 5:50pm	Seats (Total: 14) MCB 2135A MCB 2135A
0104	Abhinav Shrivastava M 9:00am - 9:50am Tu 5:00pm - 5:50pm	Seats (Total: 14) ONLINE MTH 3503G

0105	Hector Alcala Tu 4:00pm - 4:50pm Th 4:00pm - 4:50pm	Seats (Total: 14) Location: TBA HBK 0123
0106	Massimo Ricotti M 5:00pm - 5:50pm M 6:00pm - 6:50pm	Seats (Total: 14) PSC 1136 PSC 1136
0107	Reza Ghodssi W 3:00pm - 3:50pm Th 3:20pm - 4:10pm	Seats (Total: 14) PHY 2214 JMP 2125A
0108	Nikhil Chopra Th 11:00am - 11:50am W 7:00pm - 7:50pm	Seats (Total: 14) ONLINE Location: TBA
0109	Kimberly Stroka W 9:00am - 9:50am Tu 7:00pm - 7:50pm	Seats (Total: 14) AJC 3104 HJP 2217
0110	Gorjan Alagic M 12:00pm - 12:50pm Su 2:00pm - 2:50pm	Seats (Total: 14) ATL 3100D ONLINE
0111	Alisa Clyne Th 4:30pm - 5:20pm M 8:00am - 8:50am	Seats (Total: 14) ELL 0100C HJP 2217
0112	Xin Zan Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 14)
0113	David Lovell Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
0114	David Lovell Contact instructor or department for details.	Seats (Total: 5)

GEMS397 Team Project Seminar IV

Credits: 2 Grading Method: Regular

Prerequisite: GEMS396. Restriction: Must be in the Gemstone program with junior standing in a research team.

This is the fourth of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team further develops its website. Also they will prepare and present the team project in the poster session of Undergraduate Research Day.

0113	David Lovell Contact instructor or department for details.	Seats (Total: 5)

GEMS496 **Project Writing Seminar**

Credits: 2 Grading Method: Regular

Prerequisite: GEMS397. Restriction: Must be in the Gemstone program.

This is the fifth of six seminars during which Gemstone students carry out research with the guidance of a faculty mentor. The team finishes the analysis of their data and writes and edits its team thesis.

0101	Heng Huang Contact instructor or department for details.	Seats (Total: 14)
0102	Birthe Kjellerup Shirtliff Th 3:30pm - 4:20pm Th 4:30pm - 5:20pm	Seats (Total: 14) EGR 1179 EGR 1179
0103	Giuliano Scarcelli M 5:00pm - 5:50pm Tu 5:00pm - 5:50pm	Seats (Total: 14) ONLINE AJC 4104
0104	Erik Nesse MW 1:00pm - 1:50pm	Seats (Total: 14) ONLINE
0105	Andrew Schiffmacher Tu 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 14) ONLINE ONLINE
0106	Becky Epanchin-Niell Tu 5:00pm - 5:50pm Tu 6:00pm - 6:50pm	Seats (Total: 14) SYM 3200A SYM 0209
0107	Michael Otte M 9:00am - 9:50am Contact instructor or department for details.	Seats (Total: 14) AJC 5104

0108	Philip DeShong W 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 14) ONLINE CHM 4507
0109	Veronica Kang Th 3:30pm - 4:20pm F 2:00pm - 2:50pm	Seats (Total: 14) ONLINE ONLINE
0110	Lucas Butler, Jing Liu F 2:15pm - 3:05pm Class time/details on ELMs	Seats (Total: 14) ONLINE ONLINE
0111	Johan Larsson F 2:00pm - 2:50pm F 4:00pm - 4:50pm	Seats (Total: 14) EGR 2162 EGR 2162
0112	Yanjin Zhang M 6:00pm - 6:50pm F 3:00pm - 3:50pm	Seats (Total: 14) HBK 1112 HBK 1112
0113	Youssef Kousa, Erin Tran M 5:00pm - 5:50pm Tu 8:00am - 8:50pm	Seats (Total: 14) MCB 1123 ONLINE
0114	David Lovell Contact instructor or department for details.	Seats (Total: 5)

GEMS497 **Team Thesis Defense**

Credits: 2 Grading Method: Regular General Education: DSSP

Prerequisite: GEMS396. Restriction: Must be in the Gemstone program.

Gemstone teams will complete the team research project and thesis. The team will formally present the thesis to experts in the area of interest at a Team Thesis Conference before final submission.

0107	Instructor: TBA Contact instructor or department for details.	Seats (Total: 14)
0110	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0113	David Lovell Contact instructor or department for details.	Seats (Total: 5)

GEOG Geographical Sciences Fall 2025

GEOG140 **Natural Disasters: Earthquakes, Floods, and Fires**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS, SCIS

Catastrophic Environmental Events (CCE) that are becoming more common in this time of global environmental change and it is essential that today's students be equipped with the knowledge and skills to be leaders as we, as a society, understand the upheaval that these CCEs are causing. Students will examine how CEEs shape human society and ecosystem from the interdisciplinary perspective afforded by the field of Geography. Students will use the latest geographic science concepts and techniques in exploring these events. Using satellite imagery they will gain a multi-scale perspective of the ecological and societal aspects of the events.

0101	Keith Yearwood MW 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 250) ARC 0204 ONLINE
FC01	Keith Yearwood MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 48) TWS 0236

GEOG156 **How NASA Sees the Earth**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Cross-listed with: INST156. Credit only granted for: GEOG156 or INST156.

The world of Earth science data is complex and can be overwhelming with a wide range of data sources and formats, hefty downloads and the need for complicated analytical tools. To make use of enormous volumes of available data and geoinformation products, one has to know where and how to search and obtain the data, how to analyze the data, and how to extract useful information and knowledge. In this course, you will learn about the state-of-the-art Web-based tools that allow you to efficiently display and analyze a large number of datasets in a way many professionals working in the Earth science domain would. You will learn how to visualize multiple Earth science datasets produced by NASA in a variety of ways directly on the Internet, without the need to download, manage and store them. Students will be introduced to comprehensive functions to analyze the data and generate customized maps, animations, multi-variable correlations, regional subsetting, etc.

0101	Sergii Skakun TuTh 9:30am - 10:45am	Seats (Total: 50) ESJ 2204

GEOG170 **Mapping our Digital World**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: DSNS

Introduction to technical methods used in gathering, analyzing, and mapping geospatial information for applications such as urban mobility, environmental monitoring, situational awareness, and disaster management. Topics include Geographic Information Systems (GIS), cartography, map projections, satellite and airborne remote sensing, the global positioning system (GPS), and introductory statistics and probability. The course is a gateway to more advanced technical classes in geospatial science.

0101	Naijun Zhou MW 2:00pm - 2:50pm Class time/details on ELMs	Seats (Total: 100) CHM 1402 ONLINE
FC01	Obinna Anige MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) LEF 2166

GEOG172 **Earth From Space**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNS, SCIS

Earth observations from space enable the mapping and monitoring of our changing planet. This survey course reviews current observational capabilities and examines scientific applications in quantifying global environmental change. Drivers and outcomes of key dynamics will be illustrated and discussed, including sea and continental ice loss, deforestation, ocean warming, urbanization, agricultural expansion and intensification, and vegetation response to climate change.

FC01	Evan Ellicott TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) LEF 2166

GEOG201 **Geography of Environmental Systems**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNL (if taken with GEOG211)

A systematic introduction to the processes and associated forms of the atmosphere and earth's surfaces emphasizing the interaction between climatology, hydrology and geomorphology.

0101	George Hurtt TuTh 12:30pm - 1:45pm	Seats (Total: 240) ESJ 0202

GEOG202 **Introduction to Human Geography**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DVCC

Introduction to what geographers do and how they do it. Systematic study of issues regarding social and cultural systems from a global to a local scale. Looks at the distribution of these variables and answers the question "Why here, and not there"?

0101	Kuishuang Feng MW 3:00pm - 3:50pm Class time/details on ELMs	Seats (Total: 200) LEF 2205 ONLINE	

GEOG211 **Geography of Environmental Systems Laboratory**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in GEOL120, GEOL100, or GEOG201.

A laboratory course to accompany GEOG 201. Analysis of the components of the earth's energy balance using basic instrumentation; weather map interpretation; soil analysis; the application of map and air photo interpretation techniques to landform analysis.

This is a 2 hr, 1 credit lab which parallels GEOG 201; Required for GEOG majors; optional for non-majors.

0101	Judith Rakowski, George Hurtt Class time/details on ELMs	Seats (Total: 24) ONLINE	Lab
0201	George Hurtt, Judith Rakowski Class time/details on ELMs	Seats (Total: 24) ONLINE	Lab
0301	Judith Rakowski, George Hurtt Class time/details on ELMs	Seats (Total: 24) ONLINE	Lab
0401	Judith Rakowski, George Hurtt Class time/details on ELMs	Seats (Total: 24) ONLINE	Lab
0501	George Hurtt, Judith Rakowski Class time/details on ELMs	Seats (Total: 24) ONLINE	Lab
0601	George Hurtt, Sumi Lee Class time/details on ELMs	Seats (Total: 24) ONLINE	Lab
0701	George Hurtt, Sumi Lee Class time/details on ELMs	Seats (Total: 24) ONLINE	Lab
0801	Sumi Lee, George Hurtt Class time/details on ELMs	Seats (Total: 24) ONLINE	Lab
0901	Sumi Lee, George Hurtt Class time/details on ELMs	Seats (Total: 24) ONLINE	Lab

1001	George Hurtt, Sumi Lee Class time/details on ELMs	Seats (Total: 24) ONLINE	Lab

GEOG272 **Introduction to Earth Observation Science**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: GEOG272 or GEOG372. Formerly: GEOG372.

Concepts and principles of Earth observation and remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships.

Students must pay a $40.00 laboratory materials fee.

0101	Catherine Nakalembe MW 9:00am - 9:50am F 11:00am - 12:50pm	Seats (Total: 25) ASY 2309 LEF 1136	Lab
0102	Catherine Nakalembe MW 9:00am - 9:50am F 11:00am - 12:50pm	Seats (Total: 25) ASY 2309 LEF 1138	Lab
0103	Catherine Nakalembe MW 9:00am - 9:50am Th 9:30am - 11:20am	Seats (Total: 25) ASY 2309 LEF 1136	Lab
0104	Catherine Nakalembe MW 9:00am - 9:50am Th 9:30am - 11:20am	Seats (Total: 25) ASY 2309 LEF 1138	Lab

GEOG276 **Principles of Python Programming and Geocomputing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Introduces conceptual and practical aspects of scientific computing using the Python programming language. The main focus is on developing proficiency for the basic elements of the development environment, foundational syntax including variables, logical operators, looping, conditional statements, nesting, and common programming patterns for mathematical and textual computing. In addition, essential data structures and functionality for scientific computing, such as arrays, dataframes, and data visualization will be introduced. Throughout the course, students will also become exposed to various applications in the domain of the social and environmental sciences.

Students must pay a $40.00 laboratory materials fee.

0101	Taylor Oshan MW 11:00am - 11:50am W 4:00pm - 5:50pm	Seats (Total: 24) LEF 1158 LEF 1136	 Lab
0102	Taylor Oshan MW 11:00am - 11:50am W 4:00pm - 5:50pm	Seats (Total: 24) LEF 1158 LEF 1138	 Lab
FC01	Ruohan Li MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) LEF 1136	

GEOG330 **As the World Turns: Society and Sustainability in a Time of Great Change**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP, SCIS

Credit only granted for: GEOG330, GEOG360, or GEOG362. Formerly: GEOG362.

Cultural geography course on society and sustainability. Culture is the basic building block that is key to sustainability of societies. Course will cover sustainability of societies on different scales, examining local, regional, and worldwide issues. Sustainability will be examined as a key element of environmental sustainability. How societies adjust to rapid world change will be examined as a positive and/or negative factor in sustainability.

0101	Rachel Haber MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ESJ 2204 LEF 1201	 Discussion
0102	Rachel Haber MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) ESJ 2204 LEF 1201	 Discussion
0103	Rachel Haber MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) ESJ 2204 LEF 1201	 Discussion
0104	Rachel Haber MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ESJ 2204 LEF 1201	 Discussion
0105	Rachel Haber MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) ESJ 2204 LEF 1201	 Discussion

0106	Rachel Haber	Seats (Total: 25)	
	MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	ESJ 2204 LEF 1201	Discussion

GEOG373 **Geographic Information Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases.

Students must pay a $40.00 laboratory materials fee.

0101	Naijun Zhou	Seats (Total: 25)	
	MW 10:00am - 10:50am F 9:00am - 10:50am	PLS 1140 LEF 1138	Lab
	Open to GEOG, GIS, SDS-GEOG, and ENSP-Coastal, Land Use, and Global majors, or GIS and Remote Sensing minors only.		
0102	Naijun Zhou	Seats (Total: 25)	
	MW 10:00am - 10:50am F 1:00pm - 2:50pm	PLS 1140 LEF 1136	Lab
0103	Naijun Zhou	Seats (Total: 25)	
	MW 10:00am - 10:50am F 3:00pm - 4:50pm	PLS 1140 LEF 1136	Lab

GEOG384 **Internship in Geography I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Keith Yearwood	Seats (Total: 25)
	Contact instructor or department for details.	

GEOG385 **Internship in Geography II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Keith Yearwood	Seats (Total: 25)
	Contact instructor or department for details.	

GEOG398 **Special Topics in Geography**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

An introductory course dealing with special topics in geography.

Contact department for information to register for this course.

GEOG416 **Conceptualizing and Modeling Human-Environmental Interactions**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of BSOS-Geography department. Corequisite: MATH130, MATH140, or MATH120; or MATH220.

Develops skills to carry out research that integrates environmental and economic aspects of sustainability by introducing extensively used quantitative tools for analyzing human-environmental interactions in the field of ecological economics. These include, e.g., index number calculations and decomposition analysis, Environmental Kuznets Curve (EKC), environmental input-output analysis and life-cycle analysis, and multi-criteria decisions aid (MCDA). Students will need laptops to run models during class.

0101	Laixiang Sun	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	LEF 1158

GEOG417 **Land Cover Characterization Using Multi-Spectral Remotely Sensed Data Sets**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG272 or permission of instructor. Jointly offered with: GEOG617. Credit only granted for: GEOG417 or GEOG617.

Students will be introduced to the image processing steps required for characterizing land cover extent and change. Key components of land cover characterization, including image interpretation, algorithm implementation, feature space selection, thematic output definition, and scripting will be discussed and implemented.

0101	Xiaopeng Song	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	LEF 1158

GEOG475 **Geographic Visualization and Digital Mapping**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG373 and GEOG306.

An overview of the basic concepts and techniques that underlie digital map making and the broader field of geographic visualization for intermediate GIS users. This includes the use of color, map symbolization, map layout, and also the contribution to geographic visualization from the fields of scientific visualization, information visualization, and cognition. Fundamentals of dynamic map design and web mapping will be introduced through the use of animated and interactive maps.

Students must pay a $40.00 laboratory materials fee.

0101	Kathleen Stewart MW 3:00pm - 3:50pm F 9:00am - 10:50am	Seats (Total: 24) LEF 1158 LEF 1136	 Lab
0102	Kathleen Stewart MW 3:00pm - 3:50pm F 1:00pm - 2:50pm	Seats (Total: 24) LEF 1158 LEF 1138	 Lab

GEOG498 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study under individual guidance.

Contact department for information to register for this course.

GEOG601 **The Nature and Practice of Science**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of BSOS-Geography department. Credit only granted for: GEOG601 or GEOG788N. Formerly: GEOG788N.

Introduces students to the nature and practice of science in physical and human geography, including practical methods for research productivity, professional, societal and ethical obligations of scientists, the philosophy of science, and the scientific literature. Students will prepare and critically evaluate research proposals.

0101	Giovanni Baiocchi M 3:00pm - 5:30pm	Seats (Total: 30) LEF 2166

GEOG608 **Comprehensive Portfolio Assessment Summary**

Credits: 1-3 Grading Method: Sat-Fail

Evaluation of a PhD student's portfolio.

Contact department for information to register for this course.

GEOG617 **Land Cover Characterization Using Multi-Spectral Remotely Sensed Data Sets**

Credits: 3 Grading Method: Regular, Sat-Fail

Prerequisite: Permission of BSOS-Geography department. Jointly offered with: GEOG417. Credit only granted for: GEOG417 or GEOG617.

Students will be introduced to the image processing steps required for characterizing land cover extent and change. Key components of land cover characterization, including image interpretation, algorithm implementation, feature space selection, thematic output definition, and scripting will be discussed and implemented.

0101	Xiaopeng Song TuTh 12:30pm - 1:45pm	Seats (Total: 15) LEF 1158	

GEOG652 **Digital Image Processing and Analysis**

Credits: 3 Grading Method: Regular

Restriction: Must be in Geospatial Information Sciences (Master's) program; or must be in the Geospatial Information Sciences (Graduate Certificate) program.

Digital image processing and analysis applied to satellite and aircraft land remote sensing data. Consideration is given to preprocessing steps including calibration and geo registration. Analysis methods include digital image exploration, feature extraction thematic classification, change detection, and biophysical characterization. One or more application examples may be reviewed.

Students must pay a $40 lab fee.

PGS1	Xin Tao **Meets September 2, 2025 - November 21, 2025** M 5:30pm - 8:00pm Tu 5:30pm - 8:00pm *Must be in Graduate Programs in Geospatial Information Sciences. Golden ID students are not eligible for this section.*	Seats (Total: 35) SYM 0215 SQH 1101	 Lab
PLG1	Xin Tao **Meets September 2, 2025 - November 21, 2025** M 5:30pm - 8:00pm Tu 5:30pm - 8:00pm *Must be in Graduate Programs in Geospatial Information Sciences, Online. Golden ID students are not eligible for this section.*	Seats (Total: 20) ONLINE ONLINE	 Lab

GEOG653 **Spatial Analysis**

Credits: 3 Grading Method: Regular

Prerequisite: GEOG579; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Geospatial Information Sciences (Master's) program; or must be in the Geospatial Information Sciences (Graduate Certificate) program.

Methods of spatial analysis including measuring aspects of geometric features and identifying spatial patterns of geospatial objects that are represented as point, line, network, areal data, and 3-D surfaces.

Students must pay a $40 lab fee.

PGS1	Jianguo Ma	Seats (Total: 40)	
	Meets September 2, 2025 - November 21, 2025		
	W 5:30pm - 8:00pm	LEF 1158	
	Th 5:30pm - 7:30pm	LEF 1158	Lab
	Must be in Graduate Programs in Geospatial Information Sciences. Golden ID students are not eligible for this section.		
PLG1	Jianguo Ma	Seats (Total: 25)	
	Meets September 2, 2025 - November 21, 2025		
	W 5:30pm - 8:00pm	ONLINE	
	Th 5:30pm - 7:30pm	ONLINE	Lab
	Must be in Graduate Programs in Geospatial Information Sciences, Online. Golden ID students are not eligible for this section.		

GEOG654 GIS and Spatial Modeling

Credits: 3 Grading Method: Regular

Prerequisite: GEOG653. Restriction: Must be in Geospatial Information Sciences (Master's) program; or must be in Graduate Certificate: Professional Studies-Geospatial Information Sciences.

Provide foundations and understanding on various issues related to modeling and simulation in GIS context. It will addresses the concepts, tools, and techniques of GIS modeling, and presents modeling concepts and theory as well as provides opportunities for hands-on model design, construction, and application. The focus will be on raster-based modeling. This course is also application-orientated, particularly in these fields such as terrain modeling, LULC modeling, hydrological modeling, suitability modeling, etc.

Students must pay a $40.00 lab fee.

PGS1	Jonathan Resop	Seats (Total: 35)	
	Meets September 2, 2025 - November 21, 2025		
	W 5:30pm - 8:00pm	LEF 1166	
	Th 5:30pm - 8:00pm	LEF 1166	Lab
	Must be in Graduate Programs in Geospatial Information Sciences. Golden ID students are not eligible for this section.		
PLG1	Jonathan Resop	Seats (Total: 25)	
	Meets September 2, 2025 - November 21, 2025		
	W 5:30pm - 8:00pm	ONLINE	
	Th 5:30pm - 8:00pm	ONLINE	Lab
	Must be in Graduate Programs in Geospatial Information Sciences, Online. Golden ID students are not eligible for this section.		

GEOG661 Fundamentals of Geospatial Intelligence

Credits: 3 Grading Method: Regular

Geospatial Intelligence (GEOINT) is the collection, analysis, visualization and dissemination of geospatial information to support decision-making. This course introduces the fundamental knowledge required to become a successful GEOINT practitioner, including the history of the GEOINT discipline, the intelligence applications of remote sensing and Geographic Information Systems (GIS) technologies, and how GEOINT products are used to support national security and humanitarian missions. Upon completion of this course you will understand the roles that technology, policy, doctrine, government, and industry play in shaping the Geospatial Intelligence discipline, and develop the technical knowledge and domain expertise to create basic GEOINT products that provide context for decision makers.

Students must pay a $40.00 laboratory materials fee.

PGS1	Jonathon Hathaway	Seats (Total: 20)	
	Meets September 2, 2025 - November 21, 2025		
	W 5:30pm - 8:00pm	LEF 1106	
	Th 5:30pm - 8:00pm	LEF 1136	Lab
	Must be in Graduate Programs in Geospatial Information Sciences or Geospatial Intelligence. Golden ID students are not eligible for this section.		

PLG1	Jonathon Hathaway	Seats (Total: 15)	
	Meets September 2, 2025 - November 21, 2025		
	W 5:30pm - 8:00pm	ONLINE	
	Th 5:30pm - 8:00pm	ONLINE	Lab
	Must be in Graduate Programs in Geospatial Information Sciences, online or Geospatial Intelligence, Online. Golden ID students are not eligible for this section.		

GEOG662 **Advances in GIS and Remote Sensing**

Credits: 3 Grading Method: Regular, Audit

Restriction: Students taking the course must be familiar with data structures, basic GIS and RS concepts, and demonstrate basic understanding of using GIS and RS software. And must be enrolled in Geographical Sciences MPS or graduate certificate program; or permission of BSOS-Geography department.

Focuses on state-of-the-art advances in geographic information science and remote sensing as they support geospatial intelligence. Focus on synergies between GIS and remote sensing in informatics, computer science, and spatial engineering, and their application to problem domains in human systems, physical systems, and cyberspace. Advances in GIS presents recent advances regarding fundamental issues of geo-spatial information science (space and time, spatial analysis, uncertainty modeling and geo-visualization), and new scientific and technological research initiatives for geo-spatial information science (such as spatial data mining, mobile data modeling, and location-based services). Advances in remote sensing will provide opportunity to understand and work with latest developments in the Remote Sensing datasets. The curriculum covers wide range of remote sensing data interpretation and their processing techniques.

Students must pay a $40.00 laboratory materials fee.

PGS1	Ruibo Han	Seats (Total: 35)	
	Meets September 2, 2025 - November 21, 2025		
	M 5:30pm - 8:00pm	LEF 1106	
	Tu 5:30pm - 8:00pm	LEF 1106	Lab
	Must be in Graduate Programs in Geospatial Intelligence. Golden ID students are not eligible for this section.		

PLG1	Ruibo Han	Seats (Total: 25)	
	Meets September 2, 2025 - November 21, 2025		
	M 5:30pm - 8:00pm	ONLINE	
	Tu 5:30pm - 8:00pm	ONLINE	Lab
	Must be in Graduate Programs in Geospatial Intelligence, Online. Golden ID students are not eligible for this section.		

GEOG686 **Mobile GIS and Geocomputing**

Credits: 3 Grading Method: Regular, Sat-Fail

Prerequisite: Permission of BSOS-Geography department; or must be enrolled in Geographical Sciences MPS or graduate certificate program. Recommended: Students taking the course must be familiar with data structures, basic GIS concepts, and demonstrate basic understanding of object-oriented programming under GIS environment. Credit only granted for: GEOG477, GEOG498V, GEOG788V or GEOG777. Additional information: Tablets that run android and iOS will be loaned to registered students at no cost.

An introduction to mobile GIS, to the programming concepts underlying mobile GIS development, and to the design and implementation of a mobile GIS application. Covers how to develop, test, and publish mobile GIS native apps working across two mobile platforms: Android and iOS. Leverages the capabilities of JavaScript, Swift, Google maps, ArcGIS Server and runtime SDK to developing and publishing mobile GIS apps.

PGS1	Ruibo Han	Seats (Total: 25)	
	Meets September 2, 2025 - November 21, 2025		
	W 5:30pm - 8:00pm	LEF 0135	
	Th 5:30pm - 8:00pm	LEF 0135	Lab
	Must be in Graduate Programs in Geospatial Information Sciences or Geospatial Intelligence. Golden ID students are not eligible for this section.		
PLG1	Ruibo Han	Seats (Total: 15)	
	Meets September 2, 2025 - November 21, 2025		
	W 5:30pm - 8:00pm	ONLINE	
	Th 5:30pm - 8:00pm	ONLINE	Lab
	Must be in Graduate Programs in Geospatial Information Sciences, online or Geospatial Intelligence, Online. Golden ID students are not eligible for this section.		

GEOG788 **Selected Topics in Geography**

(Perm req) Credits: 1-3 Grading Method: Regular

Readings and discussion on selected topics in the field of geography.

Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG788F **Selected Topics in Geography; Deforestation, Land Grab, and Global Commodity Chains**

Credits: 3 Grading Method: Regular, Audit

Readings and discussion on selected topics in the field of geography.

In today's globalized world, final products and consumption are increasingly met by global supply chains that often involve large geographical distances and lead to global environmental change, such as deforestation and other land cover change, all impacting important ecosystem services. This course will explore major trends of commodity trade, existing global trade database, environmental accounting approaches and models, and social and economic drivers of land cover and land use change with regard to land displacement and deforestation.

0101	Kuishuang Feng	Seats (Total: 24)
	W 4:00pm - 6:30pm	TYD 1118

GEOG789 **Independent Readings**

(Perm req)

Credits: 1-8 Grading Method: Regular, Audit

Independent reading as arranged between a graduate faculty member and graduate student.

Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG790 **Internship in Geography**

Credits: 3 Grading Method: Regular, Audit

Field experience in the student's specialty in a Federal, state, or local agency or private business. Research paper required.

Contact department for information to register for this course.

GEOG797 **Professional Project**

Credits: 3 Grading Method: Regular

Restriction: Must be in Geospatial Information Sciences (Master's) program.

Data and materials can originate from an internship (internal or external) or from relevant work experience with current employer. Under direction of faculty advisor, students will prepare a project report containing explanation of the requirements for the work, technical account of the activities undertaken, including literature review, description of methods and approaches taken, a critical discussion of results, along with conclusions and recommendations developed from the project. Final project will consist of a full-fledged GIS application that is up and running and can be tested, providing potential employers with a portfolio demonstrating student's ability to manage and develop a GIS application in real world situations.

Students must pay a $40 lab fee.

PGS1	Jianguo Ma	Seats (Total: 35)	
	Meets September 2, 2025 - November 21, 2025		
	M 5:30pm - 8:00pm	LEF 1158	
	Tu 5:30pm - 8:00pm	ONLINE	Lab
	Must be in Graduate Programs in Geospatial Information Sciences or Geospatial Intelligence. Golden ID students are not eligible for this section. Students must meet with their program director and apply for graduation prior to registration.		
PLG1	Jianguo Ma	Seats (Total: 35)	
	Meets September 2, 2025 - November 21, 2025		
	M 5:30pm - 8:00pm	ONLINE	
	Tu 5:30pm - 8:00pm	ONLINE	Lab
	Must be in Graduate Programs in Geospatial Information Sciences, online or Geospatial Intelligence, online. Golden ID students are not eligible for this section. Students must meet with their program director and apply for graduation prior to registration.		

GEOG798 **Selected Topics in Geography: Seminar Series; Departmental Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Readings and discussions on selected topics in the field of geography.

0101	Tatiana Loboda	Seats (Total: 48)
	Class time/details on ELMs	ONLINE

GEOG799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

GEOG898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

GEOG899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

GEOL Geology Fall 2025

GEOL100 **Physical Geology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNL (if taken with GEOL110), DSNS

Credit only granted for: GEOL100 or GEOL120. Additional information: CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110.

A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics.

0101	Tracey Centorbi MWF 1:00pm - 1:50pm	Seats (Total: 99) BPS 1243
0201	Michael Evans TuTh 2:00pm - 3:15pm	Seats (Total: 99) CHM 1402

GEOL104 **Dinosaurs: A Natural History**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: PS General Education: DSNS

Dinosaurs, their evolution, and our understanding of their fossil record. Students will examine the geologic record and the tools used by paleontologists to determine: geologic ages and ancient environments; evolutionary history and extinctions; dinosaurian biology and behavior; and their survival as birds. Mechanisms of global change ranging from plate tectonics to asteroid impact will be discussed.

0101	Thomas Holtz MWF 10:00am - 10:50am	Seats (Total: 60) IRB 0318

GEOL110 **Physical Geology Laboratory**

Credits: 1 Grading Method: Regular, Pass-Fail

Prerequisite: Must have completed or be concurrently enrolled in GEOL120 or GEOL100.

The basic materials and tools of physical geology stressing familiarization with rocks and minerals and the use of maps in geologic interpretations.

Students must pay a $50 laboratory materials fee.

0101	Tracey Centorbi Th 12:30pm - 3:30pm	Seats (Total: 24) GEO 2106	Lab
0102	Tracey Centorbi M 12:00pm - 3:00pm	Seats (Total: 24) GEO 2106	Lab
0103	Tracey Centorbi Tu 12:30pm - 3:30pm	Seats (Total: 24) GEO 2106	Lab
0104	Tracey Centorbi Tu 3:30pm - 6:30pm	Seats (Total: 24) GEO 2106	Lab
0106	Tracey Centorbi W 9:00am - 12:00pm	Seats (Total: 24) GEO 2106	Lab
0107	Tracey Centorbi W 3:00pm - 6:00pm	Seats (Total: 24) GEO 2106	Lab
0109	Tracey Centorbi Tu 9:00am - 12:00pm	Seats (Total: 24) GEO 2106	Lab

GEOL120 **Environmental Geology**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: PS	General Education: DSNL (if taken with GEOL110), DSNS

Credit only granted for: GEOL100 or GEOL120.

A review of geologic factors underlying many environmental problems and the interactions between population and physical environment: geologic hazards, land-use planning, conservation, mineral resources, waste disposal, land reclamation, and the geologic aspects of health and disease. The course is aimed at lower division students in education and liberal arts, and should be useful to any student concerned with geologic perspectives of environmental problems.

0101	Tracey Centorbi TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm	Seats (Total: 18) BPS 1236 PLS 1117	Discussion
0102	Tracey Centorbi TuTh 12:30pm - 1:45pm M 4:00pm - 4:50pm	Seats (Total: 18) BPS 1236 PLS 1117	Discussion

0103	Tracey Centorbi TuTh 12:30pm - 1:45pm M 5:00pm - 5:50pm	Seats (Total: 17) BPS 1236 PLS 1117	Discussion
FC01	Tracey Centorbi TuTh 4:30pm - 5:45pm F 9:00am - 9:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PHY 2208 HBK 0105	Discussion
FC02	Tracey Centorbi TuTh 4:30pm - 5:45pm F 10:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PHY 2208 HBK 0105	Discussion

GEOL123 **Causes and Consequences of Global Change**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS, SCIS

Cross-listed with: AOSC123. Credit only granted for: AOSC123, GEOG123, or GEOL123.

Study of the major components of Earth's climate system and climate change history. Discussion of 21st century climate change prediction, mitigation and adaptation efforts.

0201	Jeffrey Henrikson MW 5:00pm - 6:15pm	Seats (Total: 39) ESJ 1215	
0202	Jeffrey Henrikson MW 5:00pm - 6:15pm	Seats (Total: 39) ESJ 1215	

GEOL200 **Earth's Fury: Earthquakes, Volcanoes, and Tsunami**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS, SCIS

Earthquakes, volcanic eruptions, and tsunami frequently remind us of the dangers associated with living on a constantly changing planet. How do people prepare for these rare but dramatic events? Student will study the science behind earthquakes and volcanoes, how it guides monitoring, forecasting, prevention, and response, and the cultural and ethical aspects of these events.

0101	Megan Newcombe, Mong-Han Huang TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 30) BPS 1250 PHY 2122	Discussion

0102	Mong-Han Huang, Megan Newcombe TuTh 9:30am - 10:45am W 4:00pm - 4:50pm	Seats (Total: 40) BPS 1250 PHY 2214	 Discussion
0103	Megan Newcombe, Mong-Han Huang TuTh 9:30am - 10:45am W 5:00pm - 5:50pm	Seats (Total: 40) BPS 1250 PHY 2214	 Discussion

GEOL212 **Planetary Geology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS

Credit only granted for: ASTR330 or GEOL212.

An examination of the geologic and geochemical processes at work in the solar system from the perspectives supplied by space age exploration of the planets and other solar system bodies.

0101	John Merck MWF 9:00am - 9:50am	Seats (Total: 24) CCC 1115	

GEOL341 **Structural Geology**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOL120 or GEOL100; and GEOL102; and GEOL110. Or permission of CMNS-Geology department. Restriction: Permission of instructor is required of non-degree seeking students.

Study of the deformation of Earth's lithosphere, especially stress, rheology, strain, and the origin and significance of structural features. Development of 3-dimensional thinking through drafting and drawing of structures, construction of geologic maps and cross-sections, and stereographic and orthographic representation of structures. Improvement of scientific writing. Two weekend field trips.

0101	Mong-Han Huang TuTh 12:30pm - 1:45pm M 3:00pm - 5:50pm	Seats (Total: 20) HBK 0108 GEO 2107	 Lab

GEOL342 **Sedimentation and Stratigraphy**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOL120 or GEOL100; and GEOL110; and GEOL322. And CHEM103; or (CHEM131 and CHEM132); or (CHEM135 and CHEM136). Restriction: Permission of instructor is required of non-degree-seeking students.

Description, origin, and distribution of sediments and sedimentary rocks.

0101	John Merck	Seats (Total: 15)	
	TuTh 9:30am - 10:45am Tu 3:00pm - 6:00pm	PLS 1172 GEO 2107	Lab

GEOL375 **Introduction to the Blue Ocean**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNS

Prerequisite: MATH120 or higher. Recommended: MATH121, MATH141, PHYS161, or PHYS171. Cross-listed with: AOSC375. Credit only granted for: AOSC375 or GEOL375.

The global ocean is a major component of the Earth System that shapes life on earth, including our weather and climate. We explore the observation-based interdisciplinary science of oceanography, identifying its strong connections to related sciences like meteorology, and geography. We apply this developing understanding to environmental issues such as marine pollution, fish and fisheries, as well as to climate variability and to the changes to the marine environment that are resulting from steadily rising levels of atmospheric greenhouse gasses. Focusses include the biogeochemical and physical changes we can observe in the nearby Chesapeake Bay and the coastal waters of Eastern Shore, Maryland.

0101	James Carton	Seats (Total: 53)
	MWF 11:00am - 11:50am	ATL 2428

GEOL386 **Experiential Learning**

Credits: 3-6 | Grading Method: Regular, Pass-Fail

Prerequisite: Permission of CMNS-Geology department. Restriction: Junior standing or higher.

0301	Ricardo Arevalo	Seats (Total: 25)
	Contact instructor or department for details.	
0501	Richard Walker	Seats (Total: 25)
	Contact instructor or department for details.	
0601	Laurent Montesi	Seats (Total: 25)
	Contact instructor or department for details.	
0701	Karen Prestegaard	Seats (Total: 25)
	Contact instructor or department for details.	
0801	Ann Wylie	Seats (Total: 25)
	Contact instructor or department for details.	
0901	Sarah Penniston-Dorland	Seats (Total: 25)
	Contact instructor or department for details.	

1101	Michael Brown Contact instructor or department for details.	Seats (Total: 25)
1201	Alan Kaufman Contact instructor or department for details.	Seats (Total: 25)
1301	Philip Piccoli Contact instructor or department for details.	Seats (Total: 25)
1401	William McDonough Contact instructor or department for details.	Seats (Total: 25)
1501	Wenlu Zhu Contact instructor or department for details.	Seats (Total: 25)
1601	Igor Puchtel Contact instructor or department for details.	Seats (Total: 25)
1701	James Farquhar Contact instructor or department for details.	Seats (Total: 25)
1801	Thomas Holtz Contact instructor or department for details.	Seats (Total: 25)
1901	Michael Evans Contact instructor or department for details.	Seats (Total: 25)
2002	John Merck Contact instructor or department for details.	Seats (Total: 25)
2003	Sujay Kaushal Contact instructor or department for details.	Seats (Total: 25)
2004	Vedran Lekic Contact instructor or department for details.	Seats (Total: 25)
2006	Nicholas Schmerr Contact instructor or department for details.	Seats (Total: 25)
2007	Richard Ash Contact instructor or department for details.	Seats (Total: 25)
2008	Mong-Han Huang Contact instructor or department for details.	Seats (Total: 25)

2009	Megan Newcombe Contact instructor or department for details.	Seats (Total: 25)
2010	Daniel Lathrop Contact instructor or department for details.	Seats (Total: 25)
2011	Cedric Magen Contact instructor or department for details.	Seats (Total: 25)
2012	Mengqiang Zhu Contact instructor or department for details.	Seats (Total: 25)

GEOL393 **Geology Senior Thesis I: Proposal**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS141 or (PHYS161 and PHYS174); and MATH141; and (CHEM131 and CHEM132) or (CHEM135 and CHEM136); and must have completed at least two upper-level geology courses and be concurrently enrolled in a third. Restriction: Junior standing or higher; and must be in Geology program.

The first semester of the two-semester Geology Senior Thesis. Emphasis is on developing a plan for original research in the geosciences and presenting that plan both in writing and in public presentations that adhere to geosciences professional standards.

0101	Philip Piccoli W 4:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 15) HBK 0108
0102	Philip Piccoli Contact instructor or department for details.	Seats (Total: 10)

GEOL394 **Geology Senior Thesis II: Research**

(Perm req)

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

Prerequisite: GEOL393; and must have completed at least three upper level GEOL courses. Restriction: Must be in Geology program; and junior standing or higher.

The second semester of the two-semester Geology Senior Thesis. Investigation of specific original research question in geosciences. Emphasis is on completion of original research proposed in GEOL393 and presentation of results both in writing and in public presentations that adhere to geosciences professional standards.

Contact department for information to register for this course.

GEOL413 **Geoscientific Modeling**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH115; and two 400-level GEOL courses. Recommended: Some experience in computer programming. Restriction: Non-degree-seeking students require the permission of the instructor. Jointly offered with: GEOL613. Credit only granted for: GEOL413, GEOL489G, GEOL613 or GEOL789G. Formerly: GEOL489G.

A model is a simplified representation of reality. Modeling is implicit or explicit in almost everything we do as geoscientists. Model construction, coding, and the concepts of parsimony vs complexity, robustness, validation, uncertainty, and the scientific interpretation of simulation results. Problem sets, independent study and participatory discussion of modeling applications in the current literature.

0101	Michael Evans	Seats (Total: 10)	
	M 10:00am - 12:50pm	CCC 1200	

GEOL423 Optical Mineralogy

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOL100 or GEOL120; and GEOL110; and GEOL322. And CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103. Restriction: Non-degree-seeking students require the permission of the instructor.

The optical behavior of crystals with emphasis on the theory and application of the petrographic microscope.

0101	Megan Newcombe	Seats (Total: 17)	
	MWF 9:00am - 9:50am	PLS 1172	
	W 10:00am - 1:00pm	GEO 2117	Lab

GEOL436 Principles of Biogeochemistry

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH120 or MATH140; or must have completed MATH220. And (GEOL100 or GEOL120); and GEOL322. And CHEM131 and CHEM132; or (CHEM135 and CHEM136). Restriction: Non-degree-seeking students require the permission of the instructor. Cross-listed with: AOSC436. Credit only granted for: GEOL436 or AOSC436.

An introduction to the basic principles of biogeochemistry including aspects of organic geochemistry, biochemistry, microbiology, global geochemical cycles, the origin of life and paleoenvironmental evolution.

0101	Alan Kaufman	Seats (Total: 10)	
	TuTh 8:00am - 9:15am	BPS 1238	

GEOL444 Low Temperature Geochemistry

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOL322, GEOL100, and MATH115. And CHEM103; or (CHEM131 and CHEM132); or (CHEM135 and CHEM136). Restriction: Non-degree-seeking students require the permission of the instructor.

Basic chemical principles, thermodynamics, and kinetics of low-temperature inorganic and organic geochemical reactions in a wide range of surface environments. These geochemical tools will be used to provide a context for understanding elemental cycling and climate change. Laboratories will include problem sets as well as wet chemical and mass spectrometric techniques used in low temperature geochemistry.

0101	Mengqiang Zhu	Seats (Total: 12)	
	M 1:00pm - 2:50pm	PLS 1172	
	W 1:00pm - 1:50pm	PLS 1172	
	M 3:00pm - 5:50pm	ESJ 1324	Lab

GEOL446 Geophysics

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS141, MATH141, and MATH140; and (GEOL100 or GEOL120). Restriction: Non-degree-seeking students require the permission of the instructor.

An introduction to modern geophysics. Topics include: global plate tectonics, plate motion, triple junctions, geomagnetism, earthquakes and faulting, reflection and refraction seismology, gravity and isostasy, heat flow and mantle dynamics, deep interior of the Earth, geophysical observations and measurements.

0101	Wenlu Zhu	Seats (Total: 23)
	TuTh 11:00am - 12:15pm	PLS 1129

GEOL451 Groundwater

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOL110 and MATH140; and (GEOL120 or GEOL100); and (CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103). Or permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor; and junior standing or higher.

An introduction to the basic geologic parameters associated with the hydrologic cycle. Problems in the accumulation, distribution, and movement of groundwater will be analyzed.

0101	Wenlu Zhu	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	HBK 0108

GEOL452 Watershed and Wetland Hydrology

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Junior standing or higher; and all other students require the permission of the instructor.

Physical processes by which water moves in watershed and wetland systems. Topics include: precipitation, infiltration, flow in the unsaturated zone, streamflow generation processes, and groundwater flow.

0101	Karen Prestegaard	Seats (Total: 39)
	TuTh 3:30pm - 6:30pm	PHY 4221

GEOL453 Ecosystem Restoration

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH120 or MATH140; or must have completed MATH220. And (CHEM131 or CHEM135); and (CHEM132 or CHEM136); and (GEOL100, GEOL120, or ENST200). Restriction: Junior standing or higher; and permission of instructor is required of non-degree-seeking students. Credit only granted for: GEOL453 or GEOL489L. Formerly: GEOL489L.

Overview of ecosystem functions across biomes/geologic settings, and considerations and tradeoffs in ecosystem restoration strategies. Specific case studies and discussions will be aimed at understanding how structure can influence biophysical and biogeochemical processes supporting ecosystems, and then describes how rates, timing, and location of physical, chemical, and ecosystem processes can be altered by different restoration strategies to enhance ecosystem services.

Jointly offered with MEES698E and GEOL789L.

0101	Sujay Kaushal	Seats (Total: 25)
	Tu 3:30pm - 6:30pm	PLS 1129

GEOL460 Field Geophysics

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOL100 or GEOL120, MATH140, MATH141, and (PHYS141, PHYS161, or PHYS171). Restriction: Non-degree-seeking students require the permission of the instructor.

Students will become familiar with geophysical instrumentation used for both scientific and industrial applications. Students will be given an introduction to the use of geophysical instrumentation for data collection, processing, and analysis, design of field experiments for investigating field geophysical problems, and an introduction to the theory of instrument design and use. Instruments that will be covered include (but are not limited to): broadband seismometers, geophones, ground-penetrating radar, magnetotellurics, and Global Positioning Satellites.

0101	Nicholas Schmerr	Seats (Total: 15)
	M 10:00am - 1:50pm	CHM 1215

GEOL488 **Geology Colloquium; Geology Colloquium**

Credits: 1 Grading Method: Sat-Fail

Contemporary research topics and issues in geosciences are explored through the weekly Geology departmental colloquium and discussion of its contents.

0101	Cecilia Sanders	Seats (Total: 30)
	F 11:00am - 12:50pm	Location: TBA

GEOL499 **Special Problems in Geology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.

Prerequisites: GEOL100 or GEO120, GEOL110, GEOL102; or equivalent; and permission of department. In addition, non-degree-seeking students require the permission of the instructor. Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.

Contact department for information to register for this course.

GEOL613 **Geoscientific Modeling**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed MATH115 or equivalent; and any two 400 level GEOL courses, or equivalent. Or permission of instructor. Recommended: Some experience in computer programming will be helpful but not necessary. Restriction: Non-degree-seeking students require the permission of the instructor. Jointly offered with: GEOL413. Credit only granted for: GEOL413, GEOL489G, GEOL613 or GEOL789G. Formerly: GEOL789G.

A model is a simplified representation of reality. Modeling is implicit or explicit in almost everything we do as geoscientists. Model construction, coding, and the concepts of parsimony vs complexity, robustness, validation, uncertainty, and the scientific interpretation of simulation results. Problem sets, independent study and participatory discussion of modeling applications in the current literature.

0101	Michael Evans	Seats (Total: 10)
	M 10:00am - 12:50pm	CCC 1200

GEOL636 **Ecosystem Restoration**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH120 or MATH140; and (CHEM131 or CHEM135); and (CHEM132 or CHEM136); and (GEOL100, GEOL120, or ENST200). Restriction: Equal preference is given to students enrolled in GEOL, MEES, CONS, ENST, AOSC, and civil and environmental engineering graduate programs; and permission of Instructor required for non degree seeking students. Credit only granted for: GEOL453 or GEOL489L. Formerly: GEOL489L.

A further understanding of ecosystem functions across biomes/geologic settings, and developing practical applications in ecosystem restoration strategies through a graduate level project. Specific case studies and discussions will be aimed at understanding how structure can influence biophysical and biogeochemical processes supporting ecosystems, and then describes how rates, timing, and location of physical, chemical, and ecosystem processes can be altered by different restoration strategies to enhance ecosystem services. A project will then be used to apply restoration principles towards solving tangible environmental problems and communication to managers.

0101	Sujay Kaushal	Seats (Total: 25)
	Tu 3:30pm - 6:30pm	PLS 1129

GEOL650 Isotope and Trace Element Geochemistry

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: GEOL443; or permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor.

Trace elements and isotopes in geology, including modern applications in geochronology and petrogenesis.

0101	Richard Walker	Seats (Total: 10)
	TuTh 8:00am - 9:15am	PLS 1172

GEOL652 Advanced Watershed and Wetland Hydrology

Credits: 3 Grading Method: Regular, Audit

Prerequisite: GEOL452; or permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor.

Physical and chemical processes in watershed and wetland systems: with an emphasis on redox reactions.

0101	Karen Prestegaard	Seats (Total: 9)
	TuTh 3:30pm - 6:30pm	PHY 4221

GEOL670 Physical Oceanography

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of CMNS-Atmospheric & Oceanic Science department; or permission of CMNS-Geology department. Cross-listed with: AOSC670. Credit only granted for: GEOL670, AOSC670 or AOSC420.

Ocean observations. Water masses, sources of deep water. Mass, heat, and salt transport, geochemical tracers. Western boundary currents, maintenance of the thermocline. Coastal and estuarine processes. Surface waves and tides. Ocean climate.

0101	Jacob Wenegrat TuTh 2:00pm - 3:15pm	Seats (Total: 6) ATL 2416
AM01	Jacob Wenegrat TuTh 2:00pm - 3:15pm	Seats (Total: 1) ATL 2416

GEOL688 **Geology Colloquium; Geology Colloquium**

Credits: 1 Grading Method: Sat-Fail

Contemporary research topics and issues in geosciences are explored through the weekly Geology departmental colloquium and discussion of its contents.

0101	Cecilia Sanders F 11:00am - 12:50pm	Seats (Total: 30) HBK 1112

GEOL789C **Recent Advances in Geology; Principles of Biogeochemistry**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Recent advances in geology research.

0101	Alan Kaufman TuTh 8:00am - 9:15am	Seats (Total: 10) BPS 1238

GEOL789F **Recent Advances in Geology; Thermodynamics, Kinetics, and Mass Balance in Isotope Fractionation**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Recent advances in geology research.

0101	James Farquhar W 12:00pm - 2:50pm	Seats (Total: 12) BMS 3118

GEOL798 **Seminar in Geology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Discussion of special topics in current literature in all phases of geology.

Contact department for information to register for this course.

GEOL799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

GEOL898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

GEOL899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

GERS German Studies Fall 2025

GERS103 **Intensive Elementary German**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate World Language Placement (WLP) score. Restriction: Must not be a fluent/native speaker of German. Credit only granted for: GERS103 or GERM103. Formerly: GERM103.

Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Daniela Nguyen MWF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 18) JMZ 1120 ONLINE
0201	Ath-Yah Brathwaite MWF 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 18) JMZ 3203 ONLINE

GERS203 **Intensive Intermediate German**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERS103; or must have appropriate World Language Placement (WLP) score. Restriction: Must not be a fluent/native speaker of German. Credit only granted for: GERM203 or GERS203. Formerly: GERM203.

Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Yesenia Montenegro MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 18) PLS 1146 ONLINE

GERS204 **German Grammar Review**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERS203; or Must have appropriate World Language Placement (WLP) score. Restriction: Must not be a fluent/native speaker of German. Credit only granted for: GERM204 or GERS204. Formerly: GERM204.

An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Regina Haag	Seats (Total: 18)
	TuTh 9:30am - 10:45am	JMZ 2207

GERS255 Once Upon a Time: Fairy Tales of the Brothers Grimm

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSHU

Credit only granted for: GERM255 or GERS255. Formerly: GERM255.

A critical examination of how fairy tales and folklore pervade and influence diverse facets of Western culture, ranging from issues of politics and national identity, ethics and morality, violence and fear, education and pedagogy, to gender and sexuality in the establishment and regulation of social norms. Taking the German tales collected by Jacob and Wilhelm Grimm as its focal point, the magical and often terrifying world of fairy tales within the German, European, and American cultural traditions from Romanticism to today will be explored. Taught in English.

0101	Julie Koser	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 2206

GERS269A Special Topics in Study Abroad II; Elementary German I

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

GERS269B Special Topics in Study Abroad II; Elementary German II

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

GERS301 Conversation and Composition I: The German-Speaking World

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERS204; or students who have taken courses with comparable content may contact the department. Credit only granted for: GERM301 or GERS301. Formerly: GERM301.

Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts in the German-speaking world.

Contact department for information to register for this course.

GERS302 **Conversation and Composition II: Current Topics in German-Speaking Society**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERS301; or students who have taken courses with comparable content may contact the department. Credit only granted for: GERM302 or GERS302. Formerly: GERM302.

Further practice in contemporary spoken and written German. Contemporary social, political, and cultural themes.

Contact department for information to register for this course.

GERS303 **Intermediate Conversation and Composition: Current Topics in German-speaking Society**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERS 204; or students who have taken courses with comparable content may contact the department. Restriction: Cannot take for GERS major/minor credit, if taken GERS301 or GERS302. Credit only granted for: GERS301 and 302; or GERS 303. Formerly: GERS301.

Practice in contemporary spoken and written German. Review of grammar, exercises in composition and conversational strategies with an emphasis on cultural contrasts in the German-speaking world. Addresses contemporary social, political, and cultural themes.

0101	Regina Haag TuTh 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 15) JMZ 1104 ONLINE

GERS322 **Highlights of German Literature and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: GERS302; or students who have taken courses with comparable content may contact the department. Credit only granted for: GERM322 or GERS322. Formerly: GERM322.

Selected literary masterworks, social and cultural issues, and historical events in German-speaking countries from the Enlightenment, Romanticism, Junges Deutschland, Realism, Naturalism and its counter currents, Expressionism to the present. Taught in German.

Taught in German. Cross-listed with GERM322H.

0101	Josh Alvizu MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 1104

GERS322H **Highlights of German Literature and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Prerequisite: GERS302; or students who have taken courses with comparable content may contact the department. Credit only granted for: GERM322 or GERS322. Formerly: GERM322.

Selected literary masterworks, social and cultural issues, and historical events in German-speaking countries from the Enlightenment, Romanticism, Junges Deutschland, Realism, Naturalism and its counter currents, Expressionism to the present. Taught in German.

Taught in German. Cross-listed with GERM322.

0101	Josh Alvizu	Seats (Total: 15)
	MWF 11:00am - 11:50am	JMZ 1104

GERS356 German for the Professions

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERS301. Credit only granted for: GERM319B, GERM356 or GERS356. Formerly: GERM356.

An examination of the structures and work conditions of various industries in the German-speaking world including understanding and navigating company culture, professional development, and preparation for an internship or job where German is spoken.

0101	Regina Haag	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	JMZ 1226

GERS357 Professional Development: Skills for a Successful Job Search in Germany and the US

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Corequisite: GERS356.

This 1-credit practical course introduces students to the work and graduate studies application process in Germany and the US and focuses specifically on developing effective cross- and intercultural communication skills to navigate the work-culture in Germany, creating a strong resume, refining interview skills in English and German, acquiring work-etiquettes, and building professional network connections in both countries.

0101	Regina Haag	Seats (Total: 15)
	W 3:30pm - 4:20pm	JMZ 3203

GERS369C Special Topics in Study Abroad III; German Composition I

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

GERS369D **Special Topics in Study Abroad III; German Composition II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

GERS369K **Special Topics in Study Abroad III; Introduction to German Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

GERS369M **Special Topics in Study Abroad III; Europeans and the Middle East: War & Peace, Culture and Exchange, 1798-Present**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

GERS369P **Special Topics in Study Abroad III; Pop Culture: European-American Trends**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

GERS378F **Microcourse in German Studies; Nosferatu**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Exploration of diverse topics related to language, literature, and visual culture in the German-speaking world involving components of active and experiential learning. Taught in English.

Explores the significance of Nosferatu for German culture and film history, with screenings of Murnau's original 1922 film and subsequent versions. Taught in a block format during Halloween month, the course will focus on questions of genre (including the vampire film and the horror genre more broadly) and adaptation; we will also consider Nosferatu in the context of queer cinema and examine its representation of gender, sexuality, race, and ethnicity.

0101	Hester Baer	Seats (Total: 15)
	Meets October 1, 2025 - October 31, 2025	
	Th 4:00pm - 6:30pm	JMZ 3203

GERS378G **Microcourse in German Studies; German Grill Culture**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Exploration of diverse topics related to language, literature, and visual culture in the German-speaking world involving components of active and experiential learning. Taught in English.

Introduces students to the grilling practices and traditions of the German-speaking world. Course blends literary and cultural readings withcookouts. No previous knowledge of grilling required. Priority enrollment given to German majors, minors, and students enrolled in another German Studies course at any level. Taught in English.

0101	Josh Alvizu	Seats (Total: 12)
	Meets September 10, 2025 - December 12, 2025	
	W 4:30pm - 6:20pm	JMZ 3203
	Meets every other Wednesday starting Sep 10.	

GERS386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher. Credit only granted for: GERM386 or GERS386. Formerly: GERM386.

Internship and practicum.

Contact department for information to register for this course.

GERS397H **Honors Reading (Independent Study)**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: GERM397 or GERS397. Formerly: GERM397.

Supervised reading to be taken normally only by students admitted into honors program.

Contact department for information to register for this course.

GERS411 **German for International Business I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: GERM411 or GERS411. Formerly: GERM411.

Advanced skills in German for international business, including understanding and writing correspondence, reports, graphics, ads, etc., according to current German commercial style.

Contact department for information to register for this course.

GERS439J **Selected Topics in German Literature; Introduction to the History of the German Language**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special study of an author, school, genre, or theme. Taught in German.

Contact department for information to register for this course.

GERS458D **Literary or Media Genres; Early German Theater**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Literary or Media Genres studies the formal and stylistic dimensions of specific genres, emphasizing genre as a social, political, and aesthetic category. Topics include pop literature; the history of German drama; and German film genres among others.

Cross-listed with GERS689I. Credit will be only granted for GERS689I or GERS458D. Introduces students to foundational dramatic theories and works of the eighteenth and early nineteenth centuries that led to the establishment of a German national theater. Readings and discussions consider a variety of issues related to social class, race and ethnicity, and gender in works by Lessing, Schiller, Goethe, Kleist, and others. Taughtin German.

0101	Julie Koser	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	JMZ 3205

GERS489E **Social Issues in German Culture; Exiled from Germany**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course examining the cultural constructions and representations of important social, political, and linguistic issues, investigating their connection to German values and institutions. Taught in German.

Cross-listed with GERS689O. Credit will be only granted for GERS689O or GERS689E. Studies the phenomena of exile as experienced in German-speaking cultures from the end of the nineteenth century to the present. Study of how a range of writers, intellectuals, and filmmakers did or did not come to terms with their mostly unchosen paths of exile, and how their responsesare reflected in the form and content of their work. Works studied include those by Hannah Arendt, Bertolt Brecht, Barbara Honigman, Christian Petzold, Joseph Roth, W.G. Sebald, Anna Seghers, and Stefan Zweig, among others. Taught in German.

0101	Josh Alvizu	Seats (Total: 20)
	MW 2:00pm - 3:15pm	JMZ 3205

GERS499 **Directed Study**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Student-driven, independent study of a specialized topic in coordination with a faculty advisor.

Contact department for information to register for this course.

GERS618 **College Teaching of German**

Credits: 1 Grading Method: Regular, Audit, Sat-Fail

Instruction, demonstration and classroom practice under supervision of modern procedures in the presentation of elementary German courses to college age students.

Instruction, demonstration and classroom practice under supervision of modern procedures in the presentation of elementary German courses to college age students.

0101	Regina Haag	Seats (Total: 5)
	W 11:00am - 11:50am	JMZ 3206

GERS689I **Special Topics - M.A. Level; Early German Theater**

Credits: 3 Grading Method: Regular, Audit

M.A.-level study of a literary, linguistic or cultural topic in German studies.

Cross-listed with GERS458D. Credit will be only granted for GERS689I or GERS458D. Introduces students to foundational dramatic theories and works of the eighteenth and early nineteenth centuries that led to the establishment of a German national theater. Readings and discussions consider a variety of issues related to social class, race and ethnicity, and gender in works by Lessing, Schiller, Goethe, Kleist, and others. Taughtin German.

0101	Julie Koser	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	JMZ 3205

GERS689O **Special Topics - M.A. Level; Exiled from Germany**

Credits: 3 Grading Method: Regular, Audit

M.A.-level study of a literary, linguistic or cultural topic in German studies.

Cross-listed with GERS689E. Credit will be only granted for GERS689O or GERS689E. Studies the phenomena of exile as experienced in German-speaking cultures from the end of the nineteenth century to the present. Study of how a range of writers, intellectuals, and filmmakers did or did not come to terms with their mostly unchosen paths of exile, and how their responsesare reflected in the form and content of their work. Works studied include those by Hannah Arendt, Bertolt Brecht, Barbara Honigman, Christian Petzold, Joseph Roth, W.G. Sebald, Anna Seghers, and Stefan Zweig, among others. Taught in German.

0101	Josh Alvizu	Seats (Total: 20)
	MW 2:00pm - 3:15pm	JMZ 3205

GERS699 **Colloquium in German Studies**

Credits: 3 Grading Method: Sat-Fail

Sustained instruction and practice in academic research skills, including strategies for effective argumentation, synthesizing and incorporating peer feedback, critically assessing and utilizing scholarly works, and presentation of research.

Contact department for information to register for this course.

GERS799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

German Studies master's thesis research.

Contact department for information to register for this course.

GREK Greek Fall 2025

GREK101 **Elementary Ancient Greek I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Restriction: A student who has had two units of Greek in high school may register for GREK101 for purposes of review but not for credit.

Study of basic grammar, development of reading facility, and introduction to Athenian life and culture in the fifth century B.C.

Classical and New Testament Greek.

0101	Gregory Bucher	Seats (Total: 10)
	MWF 12:00pm - 12:50pm	ONLINE
	W 1:00pm - 1:50pm	ONLINE

GREK111 **Elementary Modern Greek I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must not be a native speaker of Greek.

An introduction to the language and culture of modern Greece. Students begin to acquire the basic tools of the language and to communicate, in simple everyday situations. This is the first of our two-semester sequence in Elementary Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.

0101	Polyvia Parara	Seats (Total: 15)
	MWF 12:00pm - 12:50pm	MMH 1304

GREK201 **Intermediate Ancient Greek**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GREK102; or students who have taken courses with comparable content may contact the department.

Advancing beyond the basic skills developed in GREK 101 and GREK 102; review of selected grammatical concepts; continuous reading of passages from Greek literature.

0101	Francisco Barrenechea Cuadra	Seats (Total: 5)
	MWF 10:00am - 10:50am	BPS 1238
	M 9:00am - 9:50am	BPS 1238

GREK211 **Intermediate Modern Greek I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GREK112; or permission of instructor.

A continuation of the study of basic structures and the development of fluency in functional, spoken and written communication. This is the first of our two-semester sequence in Intermediate Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.

0101	Polyvia Parara	Seats (Total: 5)
	MWF 10:00am - 10:50am	MMH 1218

GREK398 **Advanced Modern Greek**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Develops advanced communication skills in the modern Greek language: speaking, listening, reading, and writing.

Pre-requisite: GREK212 or permission of ARHU-Classics department.

0101	Polyvia Parara	Seats (Total: 5)
	MWF 11:00am - 11:50am	MMH 1218

GREK472 **History and Development of the Greek Language**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of instructor.

Mastery of ancient Greek through grammar review, prose composition, and analysis of historical developments in Greek writers' modes of expression.

0101	Jorge Bravo	Seats (Total: 5)
	Tu 1:00pm - 3:40pm	MMH 1218

GREK499 **Independent Study in Greek Language and Literature**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

GREK672 **History and Development of the Greek Language**

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Restriction: Permission of instructor.

Mastery of ancient Greek through grammar review, prose composition, and analysis of historical developments in Greek writers' modes of expression.

0101	Jorge Bravo Tu 1:00pm - 3:40pm	Seats (Total: 7) MMH 1218

GREK699 **Independent Study in Greek Literature**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Contact department for information to register for this course.

GREK799 **Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Sat-Fail

Contact department for information to register for this course.

GVPT Government and Politics Fall 2025

GVPT158A **Special Topics in Study Abroad I; The European Union**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

GVPT170 **American Government**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

CORE: SB

General Education: DSHS

A comprehensive study of national government in the United States.

0101	Kristina Miler MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 TYD 1108	Discussion
0102	Kristina Miler MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 0111	Discussion

0103	Kristina Miler MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 0102	Discussion
0104	Kristina Miler MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 TYD 0111	Discussion
0105	Kristina Miler MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 2106	Discussion
0106	Kristina Miler MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 0111	Discussion
0107	Kristina Miler MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 1101	Discussion
0108	Kristina Miler MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 0101	Discussion
0109	Kristina Miler MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 TYD 0101	Discussion
FC01	Landon Blacknall MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 45) KEY 0116	

GVPT200 International Political Relations

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DVUP

A study of the major factors underlying international relations, the causes of conflict and cooperation among international actors, the role of international institutions, the interactions of domestic and foreign policies, and major issues in security, economy and the environment.

0101	Hyunki Kim MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 TYD 1102	Discussion
0102	Hyunki Kim MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 1102	Discussion
0103	Hyunki Kim MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 TYD 0101	Discussion
0104	Hyunki Kim MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 TYD 1114	Discussion
0105	Hyunki Kim MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 1114	Discussion
0106	Hyunki Kim MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 TYD 0102	Discussion
0107	Hyunki Kim MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 TYD 2111	Discussion
0108	Hyunki Kim MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 TYD 0111	Discussion
0109	Hyunki Kim MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 TYD 0111	Discussion
FC01	Hyeri Park TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 45) BPS 1236	

GVPT201 Scope and Methods for Political Science Research

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Credit only granted for: GVPT100 or GVPT201. Formerly: GVPT100.

An introduction to empirical research in political science.

0101	Johanna Birnir	Seats (Total: 25)	
	MW 9:00am - 9:50am Class time/details on ELMs F 9:00am - 9:50am Class time/details on ELMs	TMH 0301 ONLINE KEY 0102 ONLINE	 Discussion Discussion
0102	Johanna Birnir	Seats (Total: 25)	
	MW 9:00am - 9:50am Class time/details on ELMs F 10:00am - 10:50am Class time/details on ELMs	TMH 0301 ONLINE JMZ 0103 ONLINE	 Discussion Discussion
0103	Johanna Birnir	Seats (Total: 25)	
	MW 9:00am - 9:50am Class time/details on ELMs F 1:00pm - 1:50pm Class time/details on ELMs	TMH 0301 ONLINE JMZ 0103 ONLINE	 Discussion Discussion
0201	Johanna Birnir	Seats (Total: 25)	
	MW 10:00am - 10:50am Class time/details on ELMs F 9:00am - 9:50am Class time/details on ELMs	TMH 0301 ONLINE KEY 0125 ONLINE	 Discussion Discussion
0202	Johanna Birnir	Seats (Total: 25)	
	MW 10:00am - 10:50am Class time/details on ELMs F 10:00am - 10:50am Class time/details on ELMs	TMH 0301 ONLINE KEY 0102 ONLINE	 Discussion Discussion
0203	Johanna Birnir	Seats (Total: 24)	
	MW 10:00am - 10:50am Class time/details on ELMs F 1:00pm - 1:50pm Class time/details on ELMs	TMH 0301 ONLINE SYM 0215 ONLINE	 Discussion Discussion

0204	Johanna Birnir	Seats (Total: 25)	
	MW 10:00am - 10:50am Class time/details on ELMs F 9:00am - 9:50am Class time/details on ELMs	TMH 0301 ONLINE JMZ 0120 ONLINE	 Discussion Discussion
0205	Johanna Birnir	Seats (Total: 25)	
	MW 10:00am - 10:50am Class time/details on ELMs F 10:00am - 10:50am Class time/details on ELMs	TMH 0301 ONLINE VMH 1207 ONLINE	 Discussion Discussion
0206	Johanna Birnir	Seats (Total: 25)	
	MW 10:00am - 10:50am Class time/details on ELMs F 1:00pm - 1:50pm Class time/details on ELMs	TMH 0301 ONLINE JMZ 3120 ONLINE	 Discussion Discussion

GVPT202 **Law or Politics? The U.S. Supreme Court and Individual Rights**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

A thorough examination of the state of individual rights before the U.S. Supreme Court. The course will consider how recent cases the Court has decided and current pending cases have shaped the meaning of the U.S. Constitution. A critical component will involve peer deliberation over the proper roles of law and politics and their impacts on the current state of individual rights in the United States. Students will examine constitutional case studies throughout the semester and contribute to group and classroom discussions of issues being considered by the sitting Court. Students will also learn the foundational concepts of how the Court operates as both a legal and political institution, as well as its place in the larger political system. Special emphasis will be given to the social scientific study of the Supreme Court.

Restricted to students in Carillon Communities. Once registered, students need an electronic stamp from an advisor to drop the course.

0101	Patrick Wohlfarth	Seats (Total: 20)	
	MW 1:00pm - 1:50pm F 10:00am - 10:50am	ESJ 0215 TYD 1108	 Discussion
0102	Patrick Wohlfarth	Seats (Total: 20)	
	MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	ESJ 0215 TYD 1108	 Discussion

0103	Patrick Wohlfarth MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 20) ESJ 0215 TYD 0102	Discussion

GVPT210 **Religions, Beliefs, and World Affairs**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP, SCIS

Credit only granted for: GVPT210 or GVPT289L. Formerly: GVPT289L.

Introduces students to an increasingly important question: what is the relationship between religion and politics around the world? For a long period in the 20th Century, religion seemed to be decreasing in importance. Eventually, it was thought, religion would simply go away and secularism, development, and rationality would rule the day. In the last generation, however, events like the Iranian Revolution, the rise of the Christian Right, 9/11, the Tibetan monks protest, the spread of Truth and Reconciliation Commissions, and numerous wars fought in the name of God have brought religion back to prominence in world affairs. In this course, we will explore the contemporary impact of religions on politics around the world, through four broad themes: how to understand religion in politics , the relationship between religion and the state, religious groups as sources of conflict and peace, and contemporary religio-political challenges.

0101	John McCauley MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 20) BPS 1250 LEF 1220	Discussion
0102	John McCauley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) BPS 1250 TYD 2111	Discussion
0103	John McCauley MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 20) BPS 1250 TYD 1132	Discussion
0104	John McCauley MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 20) BPS 1250 JMZ 0208	Discussion
0105	John McCauley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) BPS 1250 TLF 0103	Discussion
0106	John McCauley MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 20) BPS 1250 LEF 1220	Discussion

GVPT217 **Mock Trial**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Cross-listed with: MLAW217. Credit only granted for: MLAW217, GVPT217, or GVPT319A. Formerly: GVPT319A.

Experience the excitement and reward of arguing, and perhaps winning your client's case in court. Mock Trial is designed for students who are interested in learning practical techniques for shaping the evidence, using the law, and exploiting the courtroom to create a coherent and convincing case theory.

Click here for course permission.

0101	William Mundy W 6:30pm - 9:15pm	Seats (Total: 38) TYD 1102	

GVPT221 **Introduction to Formal Theories of Political Behavior and Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT170.

An introduction to the theories of rational choice including theories of negotiation and bargaining, elections and voting in democracies, community organizing and the contrast between the roles and performances of government and market.

0101	Piotr Swistak TuTh 3:30pm - 4:45pm	Seats (Total: 25) TYD 1108	

GVPT241 **The Study of Political Philosophy: Ancient and Modern**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

0101	Sujith Kumar TuTh 3:30pm - 4:20pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 TYD 2109	Discussion
0102	Sujith Kumar TuTh 3:30pm - 4:20pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 LEF 1220	Discussion

0103	Sujith Kumar TuTh 3:30pm - 4:20pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 TYD 1101	Discussion
0104	Sujith Kumar TuTh 3:30pm - 4:20pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 SYM 0209	Discussion
0105	Sujith Kumar TuTh 3:30pm - 4:20pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 TYD 1114	Discussion
0106	Sujith Kumar TuTh 3:30pm - 4:20pm F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 TYD 1102	Discussion
0107	Sujith Kumar TuTh 3:30pm - 4:20pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 TYD 1108	Discussion
0108	Sujith Kumar TuTh 3:30pm - 4:20pm F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 TYD 1114	Discussion
FC01	Sujith Kumar TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 36) LEF 2166	

GVPT258B **Introduction to Political Science Topics in Study Abroad; Enemy Within: Spies and Espionage in the Cold War**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258C **Introduction to Political Science Topics in Study Abroad; Government and Politics in China**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258D **Introduction to Political Science Topics in Study Abroad; Danish Politics and Society**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258E **Introduction to Political Science Topics in Study Abroad; Government and Politics in Spain**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258F **Introduction to Political Science Topics in Study Abroad; European Union Law and Economic Integration**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258I **Introduction to Political Science Topics in Study Abroad; Government and Politics in Italy and Europe**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258N **Introduction to Political Science Topics in Study Abroad; Arms Control in the Nuclear Realm**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258P **Introduction to Political Science Topics in Study Abroad; Sustainable Development: Environmental, Political and Social Issues**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258R **Introduction to Political Science Topics in Study Abroad; Peace and Conflict Honors Seminar II: Regional Conflicts**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258T **Introduction to Political Science Topics in Study Abroad; Terrorism and Political Violence**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT273 **Introduction to Environmental Politics**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSSP

An overview of modern environmental philosophy, politics, and policy, exploring environmental politics in the US by way of comparison with other developed and developing countries.

FC01	Juan Gelvez Ferreira, Conny Kazungu Sigel	Seats (Total: 32)
	MW 4:30pm - 5:45pm	TYD 1132
	Restricted to students in Freshmen Connection.	

GVPT280 **The Study of Comparative Politics**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An introduction to the comparative study of politics and governance, including the analytical concepts for studies of politics and a survey of the major types of regimes, including democratic and authoritarian/communist regimes.

0101	Marcus Johnson	Seats (Total: 120)
	TuTh 11:00am - 12:15pm	MMH 1400

GVPT282 **The Politics of Global Development**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHS, DVUP

A study of the domestic governmental institutions; processes and problems such as conflict and economic development; and the socio-economic environments that are common to lower-income countries around the world.

Contact department for information to register for this course.

GVPT289B **Special Topics in Government and Politics; Globalization**

Credits: 1-6

Grading Method: Regular, Pass-Fail, Audit

Substantive issues of and theoretical approaches to political phenomenon. Topics and credit vary.

Contact department for information to register for this course.

GVPT289X **Special Topics in Government and Politics; Introduction to European Union**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Substantive issues of and theoretical approaches to political phenomenon. Topics and credit vary.

Contact department for information to register for this course.

GVPT306 **Global Environmental Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200. Restriction: Must be in one of the following programs (Government & Politics; Government & Politics: International Relations) ; or permission of BSOS-Government & Politics department.

Focus on three processes of international environmental policy development- identifying problems, negotiating solutions, and implementing agreements- through a range of case studies, including global climate change.

Restriction: Must be in Government & Politics program, Government & Politics: International Relations program, or ENSP: Environmental Politics & Policy program.

0101	Conny Kazungu Sigel, Virginia Haufler	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TYD 1118

GVPT309H **Topics in International Relations; British Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in international relations.

Contact department for information to register for this course.

GVPT318C **Classroom to Careers; Classroom to Careers**

Credits: 1 Grading Method: Regular, Pass-Fail

Embarking on a career post-college is both an exhilarating and a challenging journey. This course is designed to demystify the transition from university to professional life for GVPT students. Throughout the course, students will engage in a structured process to identify their professional interests and navigate through potential career avenues. Additionally, weekly sessions will feature in-person meetings with GVPT alumni from diverse sectors, offering students a unique opportunity to gain insights from several real-world professional trajectories. By the course's conclusion, students will not only have a framework for career planning but also gain firsthand narratives that bridge the gap between academic study and professional endeavor.

Restriction: Must be in Government & Politics program. Embarking on a career post-college is both an exhilarating and a challenging journey. This course is designed to demystify the transition from university to professional life for GVPT students. Participants will engage in a structured process to identify their professional interests and navigate through potential career avenues. Weekly sessions will feature in-person meetings with GVPT alumni from diverse sectors, offering students a unique opportunity to gain insights from several real-world professional trajectories. By the course's conclusion, students will not only have a framework for career planning but also firsthand narratives that bridge the gap between academic study and professional endeavor.

0101	Allison Berland	Seats (Total: 20)
	Tu 6:00pm - 7:15pm	TYD 1118

GVPT320 **Advanced Empirical Research**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT201. Restriction: Must be in Government & Politics or Government & Politics: International Relations program.

Allows students to build on the knowledge of statistical inference they gained from GVPT201. Topics include data collection, data cleaning, data analysis, and data visualization. By the time students complete this class, they will be able to do basic statistical modeling using OLS regression independently.

Students will be required to download statistical package R onto their own laptops and must bring their laptop to every class meeting beginning on October 8.

0101	Candace Turitto	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TYD 2111

GVPT354 **International Development and Conflict Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Sophomore standing or higher; and must be in one of the following minor programs (International Development and Conflict Management; Global Engineering Leadership; Global Poverty, Global Terrorism Studies) or have permission from the Center for International Development and Conflict Management program director, or must be in the Government and Politics major with permission of the Government and Politics department. Additional information: Students enrolled in MIDCM are expected to take the course during the Fall semester after admission to the program.

Serves as the gateway course for the Minor in International Development and Conflict Management. Provides an introductory foundation in the theory and practice of international development and conflict management. Introduces the structures, key players, intersections, and main trends in the evolution of the fields. Explores causal factors that drive economic growth, poverty, inequality, and conflict, as well as the resources, methods, and tools available to track and address these issues.

0101	John McCauley W 1:00pm - 2:40pm F 9:00am - 9:50am *Restricted to students in the #BS02 program.*	Seats (Total: 16) TWS 1310 KEY 0103	Discussion
0102	John McCauley W 1:00pm - 2:40pm F 10:00am - 10:50am *Restricted to students in the #BS02 program.*	Seats (Total: 16) TWS 1310 KEY 0103	Discussion
0103	John McCauley W 1:00pm - 2:40pm F 12:00pm - 12:50pm *Restricted to students in the #BS02 program.*	Seats (Total: 16) TWS 1310 KEY 0103	Discussion
0104	John McCauley W 1:00pm - 2:40pm F 9:00am - 9:50am *Open to all majors.*	Seats (Total: 9) TWS 1310 KEY 0103	Discussion
0105	John McCauley W 1:00pm - 2:40pm F 10:00am - 10:50am *Open to all majors.*	Seats (Total: 9) TWS 1310 KEY 0103	Discussion
0106	John McCauley W 1:00pm - 2:40pm F 12:00pm - 12:50pm *Open to all majors.*	Seats (Total: 9) TWS 1310 KEY 0103	Discussion

GVPT356 **Capstone in International Development**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, DVCC

Prerequisite: GVPT354. Restriction: Enrollment is restricted to students in the Minor in International Development and Conflict Management; and sophomore standing or higher; and permission of BSOS-Government & Politics department.

Serves as one of the two capstone courses for the Minor in International Development and Conflict Management. Focuses on advanced theory and the practice and profession of international development and is designed to provide students an introduction to, and a chance to engage with, a core set of practical skills relevant to the field.

0101	Stacy Kosko	Seats (Total: 31)
	M 2:00pm - 4:45pm	AJC 2134

GVPT357 **IDCM Practicum Course**

(Perm req)

Credits: 1 Grading Method: Regular

Prerequisite: GVPT354. Restriction: Must be in the International Development and Conflict Management minor; and permission of the Program Director for International Development and Conflict Management. Credit only granted for: BSOS388E or GVPT357. Formerly: BSOS388E. Additional information: Students must have requested and received approval for their practicum experience prior to enrollment.

Fulfills the practicum requirement for students who are completing the International Development and Conflict Management (IDCM) minor program. A main purpose of the course is to amplify the value of each student's practical experiences - typically an internship - by reflecting on, consolidating, and translating that background in preparation for pursuing post-graduation paths that relate to the fields of international development and conflict management. It is taken in conjunction with the student's practicum experience, either concurrently or afterward.

Request permission to register here.

0101	Liza Lebrun	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

GVPT358A **Study Abroad Seminar in Political Science; Migration and Multiculturalism in Europe**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science.

Contact department for information to register for this course.

GVPT358D **Study Abroad Seminar in Political Science; Politics and Economy of Spain**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science.

Contact department for information to register for this course.

GVPT358F **Study Abroad Seminar in Political Science; Government and Politics in France**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science.

Contact department for information to register for this course.

GVPT358G **Study Abroad Seminar in Political Science; History and Politics of Modern Italy: The Twentieth Century**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science.

Contact department for information to register for this course.

GVPT358P **Study Abroad Seminar in Political Science; Political Rhetoric: Blogs, Speeches, and Spin**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science.

Contact department for information to register for this course.

GVPT358R **Study Abroad Seminar in Political Science; Religion and Politics in Europe**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science.

Contact department for information to register for this course.

GVPT368C **Asian American Politics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP

Cross-listed with: AAST443, AMST498J. Credit only granted for: AAST498T, AAST443, GVPT368C or AMST 498J. Formerly: AAST498T.

Students will gain a greater understanding of 1) the role of Asian Americans in US politics, 2) the political attitudes and behaviors of Asian Americans and 3) how to conduct research on Asian American politics. Though the class will concentrate on Asian Americans, issues related to Asian American politics will be examined within the larger context of America's multicultural political landscape.

0101	Janelle Wong MW 2:00pm - 3:15pm	Seats (Total: 30) WDS 1114

GVPT368D **Special Topics in Government and Politics; Israel: Politics and Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

The study of topics in government and politics.

Cross-listed with ISRL380. Credit only granted for ISRL380 or GVPT368D. Addresses the main issues in Israeli politics and society by focusing on the role of Zionism in the Jewish state, the institutional foundations of Israeli democracy, the main political parties and blocs and their different ideological principles and visions, as well as the main socialgroups, movements, and institutions that comprise Israeli civil society.

0101	Ilai Saltzman MW 2:00pm - 3:15pm	Seats (Total: 35) HJP 2217

GVPT368F **Special Topics in Government and Politics; Tzahal: The Israeli Military in State, Society, and its Middle Eastern Context**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in government and politics.

Crosslisted with ISRL349G. Credit only granted for ISRL349G or GVPT368F This course offers an introduction to general concepts of civil-militar relations with a strong focus on the Israeli case. Situating Israel within the Middle East context, the course readings and class discussions will include comparative references to major regional players, such as Egypt, Turkey, Iran, and the Arab Gulf States. The military is a salient feature of all Middle Eastern states; we will explore how Israel both resembles and differs from other states in the region regarding the role of its military and of civil-military relations.

0101	Marwa Maziad	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ONLINE

GVPT368K **Special Topics in Government and Politics; Environmental and Sustainable Development in Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in government and politics.

Cross-listed with ISRL349Y. Credit only granted for ISRL349Y or GVPT368K. Relationships between the environment and different communities that share it, specifically in and around Israel, given the negative effects of climate change and environmental degradation throughout the Middle East. We will examine the ecological and environmental challenges Israel has faced over the years, the many innovative ways in which it has worked to overcome these challenges, and the tasks that still lie ahead. Finally, we will look at the nexus between sustainable development and sustainable peace within and between diverse communities.

0101	Adina Friedman	Seats (Total: 35)
	Th 5:00pm - 7:30pm	ONLINE

GVPT368R **Special Topics in Government and Politics; Introduction to Human Rights in Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in government and politics.

Cross-listed with ISRL448R. Credit only granted for ISRL448R or GVPT368R. Provides an overview of how the State of Israel deals with human rights of its citizens, and also non-citizens over which it has control. It will introduce Israel s legal system, human rights record, and its methods of dealing with human rights violations, including those impacting the Arab minority in Israel, women's rights, and those of the Palestinians in the Occupied Territories.

0101	Morad Elsana	Seats (Total: 25)
	W 6:00pm - 8:30pm	VMH 1203

GVPT368T **Special Topics in Government and Politics; Israel, Middle East Security, and WMD Proliferation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in government and politics.

Cross-listed with ISRL349T. Credit only granted for ISRL349T or GVPT368T. This course addresses one of Israel's main security concerns:the spread of nuclear, chemical, and biological weapons in the Middle East. It analyzes in-depth the political dynamics that lead to proliferation dangers in the region and the possible Israeli responses to proliferation, such as deterrence, military strikes, prevention, preemption, and defense.

0101	Elli Lieberman	Seats (Total: 35)
	TuTh 9:30am - 10:45am	KEY 0102

GVPT368U **Special Topics in Government and Politics; War and Peace Discourse in Israel, 1967 to the Present**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in government and politics.

Cross-listed with ISRL448M. Credit only granted for GVPT368U or ISRL448M. This course focuses on a unique discourse in Israel, 'war-normalizing discourse', a set of linguistic, discursive, and cultural devices that blur the anomalous characteristics of war by transforming war into a "normal" part of life. The course will examine the reciprocal relations between this discourse, Israeli culture and society, and foreign policy.

0101	Elie Friedman	Seats (Total: 30)
	MW 3:30pm - 4:45pm	TWS 0221

GVPT368W **"Through The Wire": The Politics and Policies of a Chocolate City**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: AAAS101 or AAAS100. Cross-listed with: AAAS415. Credit only granted for: AAAS415 or GVPT368W.

We will use the HBO television series, The Wire, as a thread to integrate topics that form the basis of a thorough understanding of urban politics. Each week will have a different thematic focus - i.e., community development, inequality, crime, incarceration, policing, labor, education, and racial relations - and will couple scholarly work with in-class discussions to examine the social and political dynamics that emerge in the series. All of the assignments work together to expose students to social science, how social science is conducted, and how political science can help us better understand the world around us.

0101	Periloux Peay TuTh 12:30pm - 1:45pm	Seats (Total: 30) TYD 2106

GVPT376 **Applied Field Research in Government and Politics**

(Perm req)

Credits: 3-6 Grading Method: Sat-Fail

Prerequisite: GVPT170. Corequisite: GVPT377.

Students in this course participate as interns in an agency of government or in some other appropriate political organization. Assignments are arranged to provide students with insights into both theoretical and practical aspects of politics. Under the tutelage of the host agency and an academic advisor, students conduct a major research project of mutual interest to the student and his or her host agency in the field of government and politics.

Contact department for information to register for this course.

GVPT377 **Experiential Learning: Government and Politics Internship Program**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT170. Credit only granted for: GVPT377 or GVPT388W. Formerly: GVPT388W.

The application of major concepts of political science to the realities of the political process. The course connects internship experiences with larger themes of political science. Students must be admitted to the GVPT Internship Program.

Students interested in registering for this course must have an internship secured and must apply to the GVPT Internship Program. Required in-person class meetings will take place from 6:30pm-9:15pm on the following Wednesdays: September 17th, November 5th, and December 10th.

Click here for more course information.

0101	Samuel Novey TBA W 6:30pm - 9:15pm	Seats (Total: 40) TYD 1132 TYD 1132

GVPT386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of BSOS-Government & Politics department; and junior standing or higher.

Contact department for information to register for this course.

GVPT388 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent research and writing on selected topics in government and politics.

Permission of Director of Undergraduate Studies required.

Contact department for information to register for this course.

GVPT388M **Topical Investigations; Mock Trial**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Independent research and writing on selected topics in government and politics.

0101	William Mundy	Seats (Total: 38)
	W 6:30pm - 9:15pm	TYD 1101

GVPT389 **Experiential Learning II**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail, Audit

Experiential credit for working in government & politics related internships, research, and teaching opportunities.

Junior standing.

Contact department for information to register for this course.

GVPT390 **Game Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must not have completed ECON414. Credit only granted for: GVPT399A, GVPT390, CMSC474 or ECON414. Formerly: GVPT399A.

Introduction to game theory with applications to political science, economics and sociology. Topics include preference theory, expected utility theory, Nash equilibria, subgame perfection, repeated games, folk theorems, and evolutionary stability.

0101	Piotr Swistak	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	KEY 0116

GVPT396 **Introduction to Honors Research**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in Government & Politics Honors Program; and must have permission of the Government & Politics Honors Program.

A required course for all honors students designed to emphasize library research, methodology, and writing skills in political science and political philosophy. A written proposal, bibliography and research design for an honors paper required of all students as a final project.

Contact department for information to register for this course.

GVPT397 **Honors Research**

(Perm req) Credits: 3 Grading Method: Regular

Prerequisite: GVPT396. Restriction: Must be in Government & Politics Honors Program.

Individual reading and research. Preparation of an original paper.

Contact department for information to register for this course.

GVPT399C **Seminar in Government and Politics; The Case of Catalonia**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399D **Seminar in Government and Politics; Society and Politics in Contemporary Spain**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399I **Seminar in Government and Politics; Globilization**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399L **Seminar in Government and Politics; British Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399N **Seminar in Government and Politics; Political Movements in the European Union**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399X **Seminar in Government and Politics; Political Movements in the European Union**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT406 **International Organizations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200. Restriction: Must be in Government & Politics program; and junior standing or higher. Or must be in Government & Politics: International Relations program; and junior standing or higher.

A basic introduction to the full range of international organizations that have come into being over the past century and one-half, including those that aspire to be universal or global, those with a geopolitical or regional focus, and those that address specific structural or functional areas of human endeavor or issue areas.

0101	Todd Allee	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TYD 1118

GVPT407 **International Political Economy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200. Restriction: Must be in Government & Politics program; and junior standing or higher.

Introduces the field of international political economy, which analyzes the ways in which economic and political changes produce both economic and political reactions.

0101	Virginia Haufler	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	TYD 0101

GVPT409G **Seminar in International Relations and World Politics; Corporations and the Global Political Economy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.

Prerequisite: GVPT200. Restriction: Must be in Government & Politics program. The course will examine corporations as political actors in global politics, analyzing power, norms and governance in different issue areas.

0101	Virginia Haufler	Seats (Total: 30)
	MW 3:30pm - 4:45pm	TYD 1102

GVPT409I **Seminar in International Relations and World Politics; International Security and International Law**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.

Prerequisite: GVPT200. Restriction: Must be in Government & Politics program. An examination of the role of international law in regulating and influencing the behavior and actions of states and non-state actors in arange of security issue areas. Students will be introduced to theoretical and empirical studies on the role of law in international security affairs based on academic readings and scholarship. Students will apply theories and insights from academic scholarship on international law to contemporary international security issues and to think about the policy relevance of the course readings.

0101	Paul Huth	Seats (Total: 30)
	Tu 3:30pm - 6:15pm	TYD 0102

GVPT409V **Seminar in International Relations and World Politics; Game Theory And International Security**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.

Contact department for information to register for this course.

GVPT410 **Politics of Nationalist and Ethnic Conflict**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200. Restriction: Must be in one of the following programs (Government & Politics; Government & Politics: International Relations). Credit only granted for: GVPT409M or GVPT410. Formerly: GVPT409M.

An examination of the major causes and consequences of ethnic, nationalist, and separatist conflict. The course will focus on both theories of ethnicity and nationalism, as well as theories of conflict related to these issues. The course will also explore empirical trends in ethnic and nationalist politics.

0101	Kathleen Cunningham	Seats (Total: 30)
	MW 9:30am - 10:45am	TYD 0111

GVPT423 **Elections and Electoral Behavior**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program.

An examination of various topics relating to elections; the focus includes the legal structure under which elections are conducted, the selection and nomination process, the conduct of election campaigns, and patterns of political participation and voting choice in different types of elections.

0101	James Gimpel	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TYD 1132

GVPT429B **Problems in Political Behavior; Data Analysis for Political Behavior**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The problem approach to political behavior with emphasis on theoretical and empirical studies on selected aspects of the political process.

Prerequisite: GVPT201. Restriction: Must be in Government & Politics program; and junior standing or higher. This course provides an opportunity to think about and to practice th most common statistical methods for doing research on political behavior. A major goal of this course is to provide practice with quantiative methods you have learned in earlier classes and offer additional exposure to statistical software used commonly by employers. Most importantly, the course will provide student with more exposure to what quantitative research on political behavior looks like, how to construct theories, how to assemble evidence, and how to relate theories and evidence through empirical testing.

0101	James Gimpel	Seats (Total: 25)
	TuTh 9:30am - 10:45am	PLS 1129

GVPT429K **Problems in Political Behavior; Researching Contentious Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The problem approach to political behavior with emphasis on theoretical and empirical studies on selected aspects of the political process.

Prerequisite: GVPT201. Restriction: Must be in Government & Politics program. This course will critically assess empirical research on the causes and consequences of contentious political behaviors such strikes, riots, peaceful protests, and insurrections with a particular focus on efforts to address these questions using quantitative methods. Topics we will address throughout the course include: why some protest campaigns succeed while others fail, the role of social media in coordinating demonstrations, and the impact of riots on public opinion and government policy.

0101	Neil Lund	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	KEY 0100

GVPT429T **Problems in Political Behavior; Social Media Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The problem approach to political behavior with emphasis on theoretical and empirical studies on selected aspects of the political process.

Prerequisite: GVPT201. Restriction: Must be in Government & Politics program. This seminar presents students with an integrated view of media politics, combining political psychology, computational social science, and network analysis. The goal is to provide students with the technical know-how to work with social media data and the knowledge to interpret relevant information. In this seminar, students will learn to process social media data, program survey experiments, and identify political narratives in a multiplatform environment. The seminar will introduce students to the computational techniques required for big social media data analyses.

0101	Ernesto Calvo	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	TYD 2111

GVPT431 **Introduction to Constitutional Law**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT170 and GVPT331. Restriction: Must be in one of the following programs (Government & Politics; Government & Politics: International Relations) ; and junior standing or higher.

A systematic inquiry into the general principles of the American constitutional system, with special reference to the role of the judiciary in the interpretation and enforcement of the federal constitution.

Jointly offered with MLAW358X. Credit only granted for GVPT431 or MLAW358X.

0101	Martin Kobren	Seats (Total: 70)
	MW 2:00pm - 3:15pm	TYD 0117

GVPT439M **Seminar in Public Law; Moot Court**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in public law. Both substantive issues and methodological approaches will be considered.

Prerequisite: GVPT439L or permission of the instructor. To request permission for this course, contact Professor Michael Spivey at mspivey@umd.edu. Restriction: Must be in Government & Politics or Government & Politics: International Relations program. This is your chance to argue a case before the Supreme Court. (Well, Not THE Supreme Court but a moot Supreme Court.) In Moot Court, students argue a hypothetical constitutional law case before a panel of experienced lawyers and jurists. Students will learn the skills of written and oral advocacy in anticipation of participation in the American Moot Court Association regional and national competitions. No prior experience in appellate advocacy is necessary.

0101	Michael Spivey	Seats (Total: 20)
	MW 3:30pm - 4:45pm	TYD 0111

GVPT439N **Seminar in Public Law; Moot Court II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in public law. Both substantive issues and methodological approaches will be considered.

Prerequisite: : GVPT439M and permission of the instructor. To request permission for this course, contact Professor Michael Spivey at mspivey@umd.edu.

0101	Kelsey Barnes, Michael Spivey	Seats (Total: 15)
	MW 3:30pm - 4:45pm	TYD 0111

GVPT443 **Contemporary Political Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT241. Restriction: Must be in Government & Politics program.

A survey of the principal political theories and ideologies set forth in the works of writers from Karl Marx to the present.

Contact department for information to register for this course.

GVPT449D **Seminar in Political Philosophy; Individual and Group Decision-Making**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in political philosophy. Both substantive issues and methodological approaches will be considered.

Restriction: Must be in Government & Politics program or Government & Politics: Inter national Relations program. Credit granted for PHPE400 or GVPT449D. Foundational issues that arise within the theories of rational choice that underlie the treatments of decision-making found in economics, politics, and the other social sciences. The course is focused on individual decisions (rational choice theory), strategic decisions (game theory) and group decisions (social choice theory). In addition to presenting the formal models of decision making, we also discuss to what extent these mathematical theories explain social interactions. An important aspect of the course is to introduce students to the ways in which economic analysis has been applied to issues in social and political philosophy. Readings will be drawn from the literature in economics, psychology, statistics and political science, as well as philosophy.

0101	Eric Pacuit	Seats (Total: 2)	
	MW 12:00pm - 12:50pm	TWS 0310	
	F 10:00am - 10:50am	ESJ B0322	Discussion

0102	Eric Pacuit MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 2) TWS 0310 ESJ B0322	Discussion
0103	Eric Pacuit MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 2) TWS 0310 KEY 0116	Discussion

GVPT459A **Seminar in Comparative Politics; Comparative Environmental Justice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in comparative politics. Both substantive issues and methodological approaches will be considered.

Prerequisite: GVPT200, or GVPT280, or GVPT282. Recommended Prerequisite: GVPT273, or GVPT306, or GVPT417. Restriction: Must be in Government & Politics program. This seminar examines the intersection of climate change, environmental politics, natural disasters, and social inequality, focusing especially on case studies from the Americas. Students will gain critical tools to analyze environmental and climate policy through comparative and global frameworks and apply them to real-world challenges. The course follows a seminar format, where students come to class having carefully read the assigned readings for the week beforehand and are prepared to work with peers on problem-solving to advance course projects.

0101	Isabella Alcaniz TuTh 2:00pm - 3:15pm	Seats (Total: 30) TYD 2109	

GVPT459D **Seminar in Comparative Politics; Democracy and Democratization**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in comparative politics. Both substantive issues and methodological approaches will be considered.

Prerequisite: GVPT280 or GVPT282. Restriction: Must be in Government & Politics or Government & Politics: International Relations program. This course surveys the big debates about the nature of democracy and democratization. The course is organized around five broad themes: 1) core concepts and definitions of democracies and non-democratic regimes, 2) the nature and causes of democratization, 3) democratic principles, 4) democratic forms and institutional variation, and 5) contemporary issues in democratic politics, including democratic backsliding. Throughout the course, we will be exploring how these different elements of democracy exist around the world by using cases from Europe, Asia, the Middle East and the United States.

0101	Allison Berland TuTh 3:30pm - 4:45pm	Seats (Total: 30) ASY 3215	

GVPT459H **Seminar in Comparative Politics; Political Radicalism: Comparing Communism and Fascism**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in comparative politics. Both substantive issues and methodological approaches will be considered.

Restriction: Must be in Government & Politics Honors Program. This course will examine the main similarities and distinctions between communist and fascist radical ideologies, movements, and political systems. The course will highlight the centrality of ideology in totalitarian experiments and the relationship between ideology and terror as underpinnings of the ideocratic despotisms. We will explore contemporary implications of totalitarianism. Not open to students who have completed GVPT459X.

0101	Vladimir Tismaneanu	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 1108

GVPT459L **Seminar in Comparative Politics; East European Politics and Societies: Communism, Liberalism, Populism**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in comparative politics. Both substantive issues and methodological approaches will be considered.

Restriction: Must be in Government & Politics program. Thirty-six years ago protest movements from below led to the world-shattering events known as the revolutions of 1989. What were their causes and consequences? What were the communist regimes and why did they fail? The course will highlight the (re)birth andconsolidation of liberal democracies, NATO and EU extensions, the ongoing ideological confrontations, and the rise of populist and nationalist parties and movements. Not open to students who completed GVPT459H in Spring 2024.

0101	Vladimir Tismaneanu	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TYD 1114

GVPT459Y **Seminar in Comparative Politics; Comparative Political Ideology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in comparative politics. Both substantive issues and methodological approaches will be considered.

Recommended Prerequisites: GVPT280 and GVPT282. Restriction: Must be in Government & Politics program. A comparative survey of leading political ideologies, including their origins, core tenets, and implications. Specific attention is given to ideology's relationship to material practice, both western and non-western interpretations, and ramifications for contemporary politics. Includes nationalism, populism, religious fundamentalism, liberalism, socialism, and neoliberalism, among other influential ideologies.

0101	Calvert Jones	Seats (Total: 30)
	MW 9:30am - 10:45am	TYD 1101

GVPT460 **State Politics and Government**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT241 and GVPT170. Recommended: GVPT260. Restriction: Must be in Government & Politics program; or must be in Government & Politics: International Relations program.

A study of the structure, procedures and policies of state governments with special emphasis on intergovernmental relationships, and with illustrations from Maryland governmental arrangements.

0101	Richard Engstrom Tu 6:00pm - 8:45pm	Seats (Total: 30) TYD 1114

GVPT474 **Political Parties**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program.

A descriptive and analytical examination of American political parties, nominations, elections, and political leadership.

0101	David Karol MW 2:00pm - 3:15pm	Seats (Total: 30) LEF 1201

GVPT479B **Seminar in American Politics; Black Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in American politics. Both substantive issues and methodological approaches will be considered.

Prerequisite: GVPT170. Restriction: Must be in Government & Politics program. The purpose of this course is to assist students in gaining an understanding of the relationship of people of African descent in the United States to the political system and other structures of power. We critically engage several themes/topics including Black political philosophies and ideologies, electoral politics, Black and mainstream political institutions, political behavior and psychology, gender politics, and public policy. We will also analyze and discuss the informal political spaces that serve as sites for Black politics including social media, entertainment, and pop culture.

0101	Chryl Laird TuTh 11:00am - 12:15pm	Seats (Total: 30) TYD 1102

GVPT479F **Seminar in American Politics; The Politics of U.S. Foreign Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in American politics. Both substantive issues and methodological approaches will be considered.

Prerequisite: GVPT170 or GVPT200. Restriction: Must be in Government & Politics program. In this course we examine how foreign policy is made in the U.S. and its impact on American politics. We will consider the changing role of public opinion, interest groups, the media, elected officials and the bureaucracy, as well as America's evolving place in the world. We will explore the making of war and peace, as well as foreign economic policy, and their impact on elections.

0101	David Karol	Seats (Total: 30)
	MW 3:30pm - 4:45pm	TLF 1103

GVPT479I **Seminar in American Politics; U.S. Immigration and Displacement Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in American politics. Both substantive issues and methodological approaches will be considered.

Prerequisite: GVPT170. Restriction: Must be in Government & Politics program. Who belongs in America? Who decides? Few issues ignite political debate more than immigration. Birthright citizenship, deportations, and refugee crises dominate headlines but behind the noise is a deeper story of law, economics, and identity. This course traces the evolution of U.S. immigration and displacement policies, exploring how demographic shifts, labor markets, and political ideologies shape national belonging. Students will analyze demographic and policy trends to understand immigration's real-world impact; connect immigration to law, public policy, economics, and social change; and develop critical analytical skills applicable to law, advocacy, journalism, and policy work. No prior experience in data analysis is required, but students will gain hands-on experience interpreting immigration and demographic data, equipping them with toolsfor both industry and academia.

0101	Janelle Wong, Sonia Vargas	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TYD 1101

GVPT479O **Seminar in American Politics; The Science (and Politics) of Public Opinion**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in American politics. Both substantive issues and methodological approaches will be considered.

Prerequisite: GVPT201. Restriction: Must be in Government & Politics program. Can a poll really predict an election? What if surveys are actually shaping opinions instead of measuring them? Public opinion drives politics, but how much of it is real? From election polling to media surveys to viral TikTok polls, we are constantly told what Americans think. This course pulls back the curtain on survey research, revealing the science, manipulation, and ethical dilemmas behind political polling. Students will design and conduct a real-world survey, testing how question wording, framing, and bias shape responses; learn how data can be misused to mislead the public and how to detect it; and explore how survey methods influence fields like marketing, public policy, journalism, and data science. This course isn't just about methods it's about understanding the power of data in shaping political narratives. Whether students are interested in political strategy, analytics, or communication, this course provides essential tools for evaluating and interpreting public opinion.

0101	James Gimpel	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	TYD 2111

GVPT479P **Seminar in American Politics; Historical and Demographic Shifts in the U.S. Congress**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in American politics. Both substantive issues and methodological approaches will be considered.

Prerequisite: GVPT170 Restriction: Must be in Government & Politics program or Government & Politics: International Relations program. This course will examine specific events and activities that have sparked major shifts in the organizational structure, composition, and productivity of the U.S. Congress. In so doing, the course will explore the relationship that the legislative branch has with its partnering governmental branches and agencies while examining various internal organizational changes. This course will survey congressional shifts while also providing tools to better understand the traditional framework of the U.S. Congress.

0101	Breanna Gray	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	LEF 1220

GVPT482 **Government and Politics of Latin America**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Government & Politics program; or must be in Government & Politics: International Relations program.

A comparative study of the governmental systems and political processes of the Latin American countries.

0101	Giancarlo Visconti	Seats (Total: 30)
	MW 2:00pm - 3:15pm	LEF 1220

GVPT484 **Government and Politics of Africa**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT282 or GVPT280. Restriction: Must be in one of the following programs (Government & Politics; Government & Politics: International Relations).

A comparative study of the governmental systems and political processes of the African countries, with special emphasis on the problems of nation-building in emergent countries.

0101	Conny Kazungu Sigel, Xiuling Zhang	Seats (Total: 30)
	MW 12:30pm - 1:45pm	TYD 1102

GVPT485 Government and Politics of the Middle East

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200; and (GVPT282 or GVPT280). Restriction: Must be in Government & Politics program. Credit only granted for: GVPT485 or GVPT459E. Formerly: GVPT459E.

A comparative study of the governmental systems and political processes of Middle Eastern countries, with special emphasis on the problems of nation-building in emergent countries.

This is a Global Classrooms course, developed in partnership with the Office of International Affairs (OIA) to provide virtual opportunities for global engagement. Global Classrooms can range from embedded experiences to immersive, project-based collaboration. Learn more about Global Classrooms: go.umd.edu/gc-umd.

Contact department for information to register for this course.

GVPT600 Professionalization Seminar in Political Science

Credits: 1

Grading Method: Regular, Audit

Restriction: Must be in Government and Politics (Doctoral) program.

An introduction to the practices, norms, and expectations of professional political science.

0101	Kristina Miler, Ernesto Calvo	Seats (Total: 12)
	W 10:00am - 11:00am	TYD 1111

GVPT601 Research Design for Political Analytics

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in the Applied Political Analytics Master of Science program; or permission of department.

A graduate-level introduction to empirical research techniques used in political science. The course covers different approaches to answering empirical research questions and addresses the strengths and limitations of different research decisions. Students who successfully complete the course will be able to conceptualize and design an empirical research project, as well as evaluate the research designs used in the research projects conducted by other social scientists.

0101	Richard Engstrom W 6:00pm - 8:45pm	Seats (Total: 15) TYD 1114
PCA1	Richard Engstrom W 6:00pm - 8:45pm	Seats (Total: 10) TYD 1114
	Must be in Applied Political Analytics (MS). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

GVPT604 **Introduction to War and Armed Conflict in World Politics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Recommended: GVPT200. Restriction: Must be in the MA in International Relations program; or permission of Government and Politics department.

Examines major theories of both international and civil wars and reviews major empirical studies that test theories of conflict. The topics include the onset of armed conflict, the duration and outcomes of wars, and the durability of peace in the aftermath of wars. The focus is on developing an understanding of central debates in the literature and primary empirical findings from quantitative and cross-national analyses that are of policy relevance.

0101	Deniz Cil W 3:00pm - 5:45pm	Seats (Total: 24) TYD 2109
0102	Molly Inman M 9:00am - 11:45am	Seats (Total: 12) TYD 1114
PCR1	Deniz Cil W 3:00pm - 5:45pm	Seats (Total: 21) TYD 2109
	Must be in the International Relations (MA) program. Golden ID students are not eligible for this section.	
PCR2	Molly Inman M 9:00am - 11:45am	Seats (Total: 12) TYD 1114

GVPT622 **Quantitative Methods For Political Science**

Credits: 3 Grading Method: Regular, Audit

Introduction to quantitiative methods of data analysis, with emphasis on statistical methods and computer usage. Measures of association, probability, correlation, linear regression estimation techniques, introductory analysis of variance, and use of package computer programs.

0101	David Cunningham Tu 9:30am - 12:15pm F 10:00am - 12:00pm	Seats (Total: 12) TYD 1111 TYD 1111	 Discussion
PCR1	Jacob Aronson F 11:00am - 1:45pm W 10:00am - 11:50am *Must be in the International Relations (MA) program. Golden ID students are not eligible for this section.*	Seats (Total: 40) TYD 2111 HBK 0115	 Discussion

GVPT628 Advanced Topics in Coding for Political Analysis

Credits: 3 Grading Method: Regular, Audit

Students will explore advanced statistical software relevant to political data analysis. Specific topics may include Python, SQL, and GIS, among others. Provides students with advanced programming and coding skills valuable to employers, and expands abilities beyond R.

0101	Neil Lund Tu 6:00pm - 8:45pm	Seats (Total: 20) KEY 0102	
PCA1	Neil Lund Tu 6:00pm - 8:45pm *Must be in Applied Political Analytics (MS). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.*	Seats (Total: 10) KEY 0102	

GVPT635 Public Opinion

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Applied Political Analytics Master of Science program; or permission of department.

Investigate how citizens in a democracy think about politics, form attitudes, and how public opinion shapes and is shaped by the political environment. While being exposed to core debates in public opinion and the study of public opinion, students will use a number of surveys that have been central to advancing our knowledge of public opinion.

PCA1	Candace Turitto W 9:30am - 12:00pm	Seats (Total: 15) TYD 1114
	Must be in Applied Political Analytics (MS). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

GVPT708A **Seminar in International Relations Theory; International Relations Theory**

Credits: 3 Grading Method: Regular, Audit

An examination of the major approaches, concepts, and theories in the study of world politics with special emphasis on contemporary literature.

0101	Kathleen Cunningham W 12:30pm - 3:15pm	Seats (Total: 12) TYD 1136
0201	Hyunki Kim Th 2:00pm - 4:45pm	Seats (Total: 15) TWS 0310
	Restricted to students in the MAIR combined BA/MA program.	
PCR1	Hyunki Kim Th 2:00pm - 4:45pm	Seats (Total: 40) TWS 0310
	Must be in the International Relations (MA) program. Golden ID students are not eligible for this section.	

GVPT729A **Special Topics in Quantitative Political Analysis; Advanced Maximum Likelihood Estimation**

Credits: 3 Grading Method: Regular, Audit

An intensive examination of special topics in quantitative methods of political analysis in such areas as survey research methods, exploratory data analysis, advanced data management techniques, or advanced methods of policy analysis.

0101	Michael Hanmer Th 9:30am - 12:15pm	Seats (Total: 12) TYD 1111

GVPT735 **Applied Political Research Practicum**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: GVPT601. Credit only granted for: GVPT735 or SURV740.

In the Applied Practicum, students will progress through the full research design process. Multiple topics and research questions are generated by students individually and are developed over the semester with feedback from their peers and the instructor. Students will deeply investigate existing research questions and designs, critically analyzing their structure and effectiveness. They will also gain structured experience giving oral presentations, speaking to a specific audience, and summarizing research into concise, memo-like deliverables. The course brings together all of the skills necessary for students to conduct their own research from beginning to end. Ultimately, students will leave with two potential and developed research designs, from which they can choose as the topic of their major 2nd year project in APAN.

PCA1	Richard Engstrom	Seats (Total: 20)
	Th 5:00pm - 7:45pm	TYD 1108
	Must be in Applied Political Analytics (MS). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

GVPT761 International Political Economy

Credits: 3 Grading Method: Regular, Audit

Recommended: GVPT708.

Major issues in international political economy including such matters as the monetary system, trade, debt, and development.

PCR1	Allison Berland	Seats (Total: 40)
	M 2:00pm - 4:45pm	TWS 0207
	Must be in the International Relations (MA) program. Golden ID students are not eligible for this section.	

GVPT770 Seminar in American Political Institutions

Credits: 3 Grading Method: Regular, Audit

This is the core institutions seminar in American politics. The course surveys the primary literature in the field and addresses substantively significant topics related to the study of political institutions in the American context.

0101	Breanna Gray	Seats (Total: 12)
	Th 9:30am - 12:15pm	LEF 1222

GVPT803 Seminar in International Political Organization

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Government and Politics PhD program.

An overview and critical analysis of contemporary theory on international organizations and global governance.

0101	Todd Allee Tu 10:00am - 12:45pm	Seats (Total: 12) TYD 1136
PCR1	Deniz Cil Tu 2:00pm - 4:45pm *Must be in the International Relations (MA) program. Golden ID students are not eligible for this section.*	Seats (Total: 30) SQH 1117

GVPT828B **Selected Problems in Political Behavior; Race and Ethnic Politics**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Individual reading and research reports on selected problems in the study of political behavior.

0101	Chryl Laird Th 1:00pm - 3:45pm	Seats (Total: 12) TYD 1111

GVPT849 **Readings in Government and Politics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Guided readings and discussions on selected topics in political science.

Contact department for information to register for this course.

GVPT888I **Selected Topics in Comparative Governmental Institutions; Politics of Identity**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

An examination of special topics in comparative politics.

0101	Marcus Johnson Tu 1:00pm - 3:45pm	Seats (Total: 12) TYD 1111

GVPT898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Guided readings and discussions on selected topics in political science.

Contact department for information to register for this course.

GVPT899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

HACS100 **Foundations in Cybersecurity I**

Credits: 2 Grading Method: Regular

Restriction: Must be a first-semester student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program.

Interdisciplinary foundational course of the ACES program. Through lectures, lab activities, and discussions, students will learn and practice various aspects of cybersecurity. Weekly technical lectures will introduce students to the operating system UNIX. Students will partner with the Division of Information Technology in a project to engage the University of Maryland community in a cyber-hygiene and cyber-ethics campaign based on the concepts learned in class.

0101	Michel Cukier, Cassie Harrington M 9:00am - 9:50am W 9:00am - 9:50am	Seats (Total: 40) PFR 1111 PFR 1111
0201	Michel Cukier, Cassie Harrington M 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 40) PFR 1111 PFR 1111

HACS200 **Applied Cybersecurity Foundations II**

Credits: 2 Grading Method: Regular General Education: DSSP

Prerequisite: Minimum grade of C- in HACS101. Restriction: Must be a third-semester student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program.

Students will apply the skills learned in HACS 100 and 101 to practice cybersecurity research through team led projects employing honeypots, carrying that project through all stages - proposal, implementation, and analysis. Weekly lectures will supplement project work by addressing trends observed in honeypot attacks and protections needed, along with data collection and analysis tools, and other foundational cybersecurity concepts.

Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program.

0101	Michel Cukier, Bertrand Sobesto TuTh 2:00pm - 2:50pm	Seats (Total: 44) PHY 4311
0201	Bertrand Sobesto, Michel Cukier TuTh 3:30pm - 4:20pm	Seats (Total: 44) PHY 4311

HACS202 **Group Project in Cybersecurity**

Credits: 3 Grading Method: Regular

Restriction: Must be a first-year student in the ACES (Advanced Cybersecurity Experience for Students) Minor Program; and cannot have been an ACES Living-Learning Program student (i.e., have taken HACS100, HACS101 and HACS200).

The group project in this course will combine technical, analytical, and communication skills, further engaging students in the practice of cybersecurity. Students will learn about design concepts and data analysis as they engage in a team project designing, deploying, and collecting and analyzing data from a honeypot. The hands-on nature of the course will give students experiential insight about how and why attackers attack and how to engage in protective measures to prevent attacks.

The group project in this course will combine technical, analytical, and communication skills, further engaging students in the practice of cybersecurity. Students will learn about design concepts and data analysis as they engage in a team project designing, deploying, and collecting and analyzing data from a honeypot. The hands-on nature of the course will give students experiential insight about how and why attackers attack and how to engage in protective measures to prevent attacks.

0101	Michel Cukier, Bertrand Sobesto	Seats (Total: 52)
	MW 8:00am - 9:15am	PHY 4311

HACS208A **Accounting and Economic Aspects of Cybersecurity**

Credits: 3 Grading Method: Regular General Education: DSHS, SCIS

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program.

In today's interconnected digital world, cybersecurity has become one of the most important issues confronting organizations in both the private and public sectors of an economy. Indeed, cybersecurity is a national and economic security priority in countries throughout the world. This is an interdisciplinary Honors Seminar offered as part of UMD's ACES program. The primary objective of this course is to discuss the relationships among accounting, economics and cybersecurity, with a focus on the important roles of accounting and economics in understanding the issues related to cybersecurity. A basic framework for assessing the interactions among accounting, economics, and cybersecurity will be developed and discussed. A secondary objective of the course is to assist ACES students in developing their ability to conduct original and applied research on topics related to "accounting and economic aspects of cybersecurity."

Restrictions: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program. This course focuses on the relationships among accounting, economics and cybersecurity. Topics include: the cost-benefit aspects of managing cybersecurity resources, determining the costs of cybersecurity bre aches on corporations, deriving the optimal amount a firm should invest in cybersecurity activities.

0101	Lawrence Gordon	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	VMH 3330H

HACS208C **Seminar in Cybersecurity; Interpersonal Cyber Communications**

Credits: 3 Grading Method: Regular

Explores various lenses of cybersecurity in order to promote an interdisciplinary understanding of the field. Although each section may focus on a different topic, each integrates active student engagement, communication, critical communication, critical thinking, and teamwork.

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for students)Living Learning Program This course provides students with an introduction to professional communication in the cybersecurity field. Students will explore written and oral communication with a focus on understanding their professional role and audience. Case studies will give students an opportunity to experience the multi-faceted decisions that come with communicating cybersecurity topics.

0101	Dina Haines	Seats (Total: 26)
	M 4:00pm - 6:45pm	PFR 1111

HACS208P **Beyond Technology, the Policy Implications of Cyberspace**

Credits: 3 Grading Method: Regular General Education: DSHS, SCIS

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program.

Explores the key issues facing policy makers attempting to manage the problem of cybersecurity from its technical foundations to the domestic and international policy considerations surrounding governance, response, and critical infrastructure risk management. The course is designed for students with little to no background in information technology, and will provide the principles to understand the current debates shaping a rapidly evolving security landscape.

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living Learning Program.

0101	Charles Harry	Seats (Total: 26)
	TuTh 11:00am - 12:15pm	PFR 1111

HACS279 **Undergraduate Research in Cybersecurity**

(Perm req)

Credits: 1-3 Grading Method: Regular

The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.

Contact department for information to register for this course.

HACS287 **Undergraduate Research in Cybersecurity**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program; and permission of UGST-HCOL-ACES Cybersecurity Program.

The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.

Contact department for information to register for this course.

HACS297 **Cybersecurity Experience Reflection**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program; and permission of UGST-HCOL-ACES Cybersecurity Program.

Cybersecurity experience is defined as an experiential learning activity either with a University of Maryland entity (such as the Division of Information Technology, the ACES competition team or in an ACES outreach program), or with an external organization that will provide valuable, hands-on experience to supplement the knowledge learned in the other ACES coursework.

Permission of department required.

0101	Cassie Harrington, Sarah Herberger	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	PFR 1111

HACS408E **Advanced Seminar in Cybersecurity**

(Perm req)

Credits: 3 Grading Method: Regular

Explores various lenses of cybersecurity in order to promote an interdisciplinary understanding of the field. Although each section may focus on a different topic, each integrates active student engagement, communication, critical communication, critical thinking, and teamwork.

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Minor Program and course will need a permission stamp for students to register. This course will introduce students to the tools and techniques required to analyze the security properties of various systems. Topics covered will include assembly language, executable file formats, operating system internals, and the static/dynamic analysis of compiled binaries. Students will apply these concepts to real-world scenarios like malware analysis and vulnerability analysis with interactive labs, at-home assignments, and a final project.

0101	Luke Mains, Chase Kanipe	Seats (Total: 30)
	W 5:00pm - 7:45pm	PHY 4311

HACS408L **Analytical and Forensic Techniques for Cybersecurity**

Credits: 3 Grading Method: Regular

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Minor Program.

Explores forensic artifacts contained in digital devices, security mechanisms available to protect digital devices and mechanisms available to cybersecurity professionals for analysis of digital devices. Topics include file structure and recovery of IoT and cell phone forensic data, network data capture and analysis, enterprise mobile device management analysis and forensic investigation of digital devices (IoT, telematics systems, etc.) that interact with cell phone and other devices. Incident response, timeline analysis, and detection and analysis of artifacts will be explored in a hands-on and lab-centric course using a variety of open-source tools and commercial cloud services.

Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Minor Program.

0101	Ian Serbin	Seats (Total: 30)
	M 4:00pm - 6:45pm	PHY 4311

HACS408M **Introduction to Cyber Threats and Risk Management**

Credits: 3 Grading Method: Regular

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Minor Program.

Provides an exploration of cyber risk management and present-day cyber threats, their impacts, and their mitigations. Students will take a multi-disciplinary approach to understanding threats and risks including the technical, policy, and social aspects. This course is guided by real-world cyber threats and examples.

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Minor Program.

0101	John McGahagan	Seats (Total: 30)
	Tu 5:30pm - 8:15pm	PHY 4311

HACS479 **Undergraduate Research in Cybersecurity**

(Perm req)

Credits: 1-3 Grading Method: Regular

The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.

Contact department for information to register for this course.

HACS498 **Cybersecurity Group Problem Solving**

(Perm req)

Credits: 3 Grading Method: Regular

The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in team problem solving activities in order to gain greater insight into a specific area within cybersecurity and to obtain an appreciation for the subtleties and difficulties associated with these activities in order to prepare students for graduate school and the workforce. Students engage in a semester long problem solving or development project under the mentorship of a industry specialist and with the guidance of university faculty. Through the exercise the students will develop teamwork experience and professional communication skills in addition to experience of the project itself. The project might be evaluation, creation, testing or analysis of some area of cybersecurity as needed by the mentor-sponsor. A contract of what will be accomplished is required must be agreed upon by the mentor, the student and the ACES leadership before the project can begin.

Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Minor Program.

0101	Thomas Woods Contact instructor or department for details.	Seats (Total: 10)
0201	Elizabeth Walden Contact instructor or department for details.	Seats (Total: 12)

HBUS Interdisciplinary Business Honors Fall 2025

HBUS100 The Future of Work: Interdisciplinary Foundations and Horizons of Business

Credits: 3 Grading Method: Regular General Education: DSSP, SCIS

Restriction: Must be a student in the Interdisciplinary Business Honors Program.

What should the future of work look like? Traditional hierarchies have come under increased scrutiny today for many reasons especially because it may not promote diversity, equity, and inclusion in the workplace. Moreover, they may not encourage experimentation, innovation, and business success. Not surprisingly then, companies are redefining what the future of work should look like. What are the shared responsibilities of an employer and employee? How can technology improve productivity and promote equity? What culture should businesses promote to welcome all employees and ensuring accountability? This course will address these and related questions.

0101	Jui Ramaprasad TuTh 9:30am - 10:45am	Seats (Total: 70) VMH 1407

HBUS200 Business and Deliberation: Innovation and Equity in Conditions of Uncertainty and Diversity

Credits: 3 Grading Method: Regular General Education: DVUP

Prerequisite: HBUS100 and HBUS105. Restriction: Must be a student in the Interdisciplinary Business Honors Program.

How can managers better promote a diversity of thought within their organization? When business leaders tap into the plurality of perspectives among their employees, they can improve on many dimensions. Unfortunately, many businesses fail to create a culture of inclusion that puts them at a disadvantage when managing uncertainty. How can managers better listen to internal and external stakeholders? How can these diverse perspectives better inform business decision making? How can businesses with multiple objectives - such as triple bottom line companies - better engage with their employees, customers, and corporate partners? This course will address these and related questions.

0101	Nicole Coomber	Seats (Total: 60)
	W 4:00pm - 6:40pm	PFR 1105

HBUS307 **Business Experience Reflection**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be a student in the Interdisciplinary Business Honors Program; and permission of the IBH Program.

This course includes reflection on a completed business experience and preparation for future professional experiences. A business experience is defined as an experiential learning activity either with an external organization, i.e. an internship, or with a University of Maryland organization, that will provide valuable, hands-on experiences to supplement the knowledge learned in the IBH curriculum.

0101	Elizabeth Galvin	Seats (Total: 25)
	TuTh 9:30am - 10:45am	PFR 1111

HDCC Design Cultures and Creativity Fall 2025

HDCC105 **Introduction to Design Cultures and Creativity I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP, DVUP, SCIS

Restriction: Must be in the Design Cultures and Creativity Honors College Living/Learning program.

History, concepts, and technologies of creative design expression, coupled with an introduction to development for particular platforms and devices.

0101	Damien Pfister	Seats (Total: 70)
	TuTh 11:00am - 12:15pm	PFR 1105

HDCC201 **Capstone Proposal Through Design Thinking**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HDCC105 and HDCC106. Restriction: Must be in the Design Cultures and Creativity Honors College Living/Learning program.

Engages principles of design thinking to prepare second-year students in the Design Cultures and Creativity (DCC) program to create a proposal for their spring Capstone Project.

0101	Shari Feldman Tu 5:00pm - 5:50pm	Seats (Total: 20) PFR 0111
0201	Shari Feldman Tu 6:00pm - 6:50pm	Seats (Total: 20) PFR 0111
0301	Shari Feldman Tu 7:00pm - 7:50pm	Seats (Total: 20) PFR 0111

HDCC208A **Seminar in Digital Cultures and Creativity; Music Composition**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

An advanced seminar in specific aspects of digital culture and creativity, designed to keep students abreast of the latest developments in new media and the online world. Possible topics include mobile gaming, digital storytelling, and electronic music.

0101	William Evans Th 12:30pm - 3:00pm	Seats (Total: 10) PAC 1108

HDCC208B **Seminar in Digital Cultures and Creativity**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

An advanced seminar in specific aspects of digital culture and creativity, designed to keep students abreast of the latest developments in new media and the online world. Possible topics include mobile gaming, digital storytelling, and electronic music.

0101	Natalie McGartland TuTh 11:00am - 12:15pm	Seats (Total: 10) PFR 0111

HDCC208J **Seminar in Digital Cultures and Creativity; Gameplay and Game Mechanics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

An advanced seminar in specific aspects of digital culture and creativity, designed to keep students abreast of the latest developments in new media and the online world. Possible topics include mobile gaming, digital storytelling, and electronic music.

0101	Grant Bollmer MW 2:00pm - 3:15pm	Seats (Total: 10) PFR 0111

HDCC208P **Seminar in Digital Cultures and Creativity; Pixels on the Screen**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

An advanced seminar in specific aspects of digital culture and creativity, designed to keep students abreast of the latest developments in new media and the online world. Possible topics include mobile gaming, digital storytelling, and electronic music.

0101	Cliff Bakalian TuTh 9:30am - 10:45am	Seats (Total: 10) PFR 0111

HDCC208R **Seminar in Digital Cultures and Creativity; Technology and Spectacle**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

An advanced seminar in specific aspects of digital culture and creativity, designed to keep students abreast of the latest developments in new media and the online world. Possible topics include mobile gaming, digital storytelling, and electronic music.

0101	Alex Leitch W 11:00am - 1:30pm	Seats (Total: 10) PFR 0111

HDCC208T **Seminar in Digital Cultures and Creativity; Text(iles)**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

An advanced seminar in specific aspects of digital culture and creativity, designed to keep students abreast of the latest developments in new media and the online world. Possible topics include mobile gaming, digital storytelling, and electronic music.

0101	Jessica Lu M 4:00pm - 6:30pm	Seats (Total: 10) PFR 0111

HDCC379 **Design Cultures and Creativity Independent Study**

(Perm req)

Credits: 3 | Grading Method: Regular

Involves research and/or creative scholarship directed by individual DCC faculty outside of the formal classroom structure.

0101	Damien Pfister Contact instructor or department for details.	Seats (Total: 10)

HEBR Hebrew Fall 2025

HEBR106 **Intensive Elementary Hebrew I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate World Language Placement (WLP) score. Credit only granted for: HEBR111 or HEBR106.

An intensive study of fundamentals of Hebrew reading, writing, listening and Israeli culture. Covers present tense in all verb categories, basic syntax and builds vocabulary.

0101	Avital Karpman TuTh 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 15) JMZ 1224 ONLINE
0201	Avital Karpman TuTh 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 15) JMZ 1224 ONLINE

HEBR112 **Elementary Hebrew II**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HEBR111; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed HEBR103; and must not have completed HEBR104. Credit only granted for: (HEBR103 and HEBR104) or HEBR112.

Continuation of HEBR 111.

Contact department for information to register for this course.

HEBR206 **Intermediate Intensive Hebrew I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed HEBR107 OR HEBR112; or must have appropriate World Language Placement (WLP) score. Restriction: Must not be a fluent/native speaker of Hebrew. Credit only granted for: HEBR206 or HEBR211.

Provides a comprehensive review of the fundamentals of Hebrew grammar and oral skills, and introduces new skills in future tense verb conjugation, and communication in reading, writing, listening and speaking.

0101	Avital Karpman TuTh 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 15) JMZ 1224 ONLINE

HEBR212 **Intermediate Hebrew II**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: HEBR211; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not have completed HEBR203; and must not have completed HEBR204. Credit only granted for: (HEBR203 and HEBR204) or HEBR212.

Continuation of HEBR211.

Contact department for information to register for this course.

HEBR249C **Special Topics in Hebrew Studies; Israeli Culture in Television, Film and Music**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A broad range of cultural and societal topics pertaining to the communication of Hebrew.

Cross-listed with ISRL249M. Credit only granted for HEBR249C or ISRL249M. Modern Israeli film, television and music through a cultural and historical lens. Taught in Hebrew.

0101	Aliza Sandalon	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

HEBR298B **Introduction to the Hebrew Bible/Old Testament**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Cross-listed with: JWST262, ENGL262. Credit only granted for: JWST262, HEBR298B, or ENGL262.

Origins of the Hebrew Bible (Old Testament), with attention to literary formations, archaeology, and social-political settings. Explorations of major questions, including who wrote the Bible, and when; relationships of the biblical tradition to the mythology and religious structures of ancient Israel's near eastern neighbors; and dynamics of politics, religious leadership, and law.

0101	Stephanie Cooper	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	TYD 1132

HEBR313 **Conversation and Composition I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: HEBR212; or students who have taken courses with comparable content may contact the department.

A practical language course recommended for all students continuing with Hebrew. Review of grammar and composition. Selected readings. Oral and written exercises.

0101	Aliza Sandalon	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

HEBR369A **Special Topics in Study Abroad III; Hebrew Lower Advanced**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

HEBR369C **Special Topics in Study Abroad III; Hebrew Upper Advanced**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

HEBR369D **Special Topics in Study Abroad III; Hebrew Upper Intermediate**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

HEBR386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor; and junior standing or higher.

Contact the department to obtain section numbers.

Contact department for information to register for this course.

HEBR499 **Independent Study in Hebrew**

(Perm req)

Credits: 1-3 Grading Method: Regular

Independent study under faculty supervision.

Contact the department to obtain section numbers.

Contact department for information to register for this course.

HESI Higher Ed, Student Affairs, and International Ed Policy Fall 2025

HESI202 **Race and Diversity in Higher Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, SCIS

Will discuss contemporary and controversial issues on race and diversity in higher education. Addresses the question: How should race influence college admissions and campus climate? Will expose students to different viewpoints on the role of race in higher education settings.

0101	Julie Park	Seats (Total: 20)
	Th 9:30am - 12:00pm	Location: TBA

HESI310 **Transfer2Terp Learning Community: Applying Your Strengths at the University of Maryland and Beyond**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Priority will be given to students transferring from Maryland Community Colleges; or permission of EDUC-Counseling, Higher Education and Special Education department.

Students will identify their strengths and learn how to apply them both in and outside of the classroom. Students will work side by side with the faculty and staff in the Adele H. Stamp Student Union to learn about their strengths while applying them to leadership positions.

0201	Laura Widener	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	EDU 1107

HESI318K **Applied Contextual Leadership; Peer Facilitation in the Fraternity and Sorority Community**

(Perm req)

Credits: 3 Grading Method: Regular

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

Social norms are co-created by peers within a community and addressing cultural issues like power-based violence requires community trust, engagement, and commitment to change. Learners will engage with readings to develop a broad understanding of sexual assault on college campuses and within the Fraternity and Sorority community as well as theories of leadership and communication that provide context to be able to effectively facilitate group conversations by cultivating trust, creativity, and engagement.

0101	Swati Sah	Seats (Total: 20)
	Th 4:00pm - 7:00pm	LEF 1171

HESI318R **Applied Contextual Leadership; Applied Contextual Leadership; Foundations and Applications of Challenge Course Theory and Instruction**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

Prerequisite: Permission of Instructor needed. Required course to become a Challenge C ourse facilitator with the RecWell Adventure Program. Contact Meghan Lou ghry at mloughry@umd.edu to schedule an interview. Restriction: Permission of department.

0101	Meghan Loughry M 6:00pm - 9:00pm	Seats (Total: 12) ERC B0170E

HESI318T **Applied Contextual Leadership; Foundations and Applications of Adventure Leadership Instruction**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

Permission of instructor needed. Required course to become an Adventure Trip Leader with the RecWell Adventure Program. Contact Amanda Preperato at aprep@umd.edu to schedule an interview.

0101	Meghan Loughry Tu 6:00pm - 9:00pm	Seats (Total: 10) ERC B0170E

HESI423 **Leadership and Ethnicity**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Credit only granted for: HESI418D or HESI423. Formerly: HESI418D.

Examines the concept of leadership from the standpoint of race, ethnicity, and culture. Specifically, we will explore the concept and differing meanings of leader and leadership within racial/ethnic communities in the United States. Issues of leaders and leadership will be examined as influenced by political, cultural, and historic events. The course will place particular emphasis on colleges and universities as a microcosm of the larger society and as a cultural site for exploring and assessing issues of race, ethnicity, diversity and leadership.

0101	Brandon Dula TuTh 2:00pm - 3:15pm	Seats (Total: 25) EDU 3233

HESI424 **Leadership and the Jewish Community**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Credit only granted for: HESI418F or HESI424. Formerly: HESI418F.

Offers students the opportunity to critically examine leadership and leadership identity development in relation to Jewish culture and identity. Explores how Jewish culture and ethnicity influence leadership styles and the role that leadership has played within Jewish history. Students will explore general leadership theories as well as personal leadership identity development in both an overall sense and as a member of the Jewish community. Examines leaders within the Jewish movement and how their leadership has influenced Jewish communities and explores issues facing the Jewish community both on college campuses and in the world and prepare student leaders to act as advocates for the Jewish community.

0101	Ari Israel	Seats (Total: 35)
	M 2:00pm - 4:45pm	EDU 3315

HESI671 **Intergroup Dialogue Facilitation Practicum**

Credits: 3 Grading Method: Regular

Prerequisite: EDCP616 and HESI771; or permission of instructor. Restriction: Limited to HESI Student Affairs Concentration students only. Credit only granted for: EDCP671 or HESI671. Formerly: EDCP671.

Developing knowledge and skills for facilitating intergroup dialogues. Using the principles and content of intergroup dialogues to create scenarios for the practice of listening, understanding, and taking action under theories of social justice.

0101	Jazmin Pichardo, Tyanna Clayton-Mallett	Seats (Total: 13)
	Tu 1:00pm - 3:45pm	VMH 2211

HESI672 **Individual and Organizational Assessment in Student Affairs**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDCP672 or HESI672. Formerly: EDCP672.

An examination of the scholarship and practice of assessment of college student learning and developmental outcomes as well as organizational practices that contribute to those outcomes.

0101	Kristan Skendall	Seats (Total: 15)
	W 4:30pm - 7:15pm	EDU 2101

HESP Hearing and Speech Sciences Fall 2025

HESP120 **Introduction to Linguistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS, DSSP

Additional information: HESP120 is required for HESP majors. HESP majors may not substitute LING200.

An introduction to the scientific study of natural language with focus on the basic concepts of phonology, syntax, semantics and pragmatics, with subsequent attention to the applied aspects of linguistic principles.

0101	Jose Ortiz	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	VMH 1207

FC01	Mairin Batten TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 40) TYD 1118

HESP202 **Introduction to Hearing and Speech Sciences**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An introduction to communication sciences and disorders; a survey of the bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.

0101	Christina Shields, Sarah Zsak TuTh 9:30am - 10:45am	Seats (Total: 100) TWS 0320

HESP214 **The Research Behind Headlines on Words, Thought, and Behavior**

Credits: 3 Grading Method: Regular General Education: DSHS, SCIS

Cross-listed with: HNUH278A. Credit only granted for: HNUH278A or HESP214.

How does the human mind use language? Type "Language Science News" into your Google search bar. Among the more than 3 billion hits, headlines like "What is love? It depends what language you speak" and "Science's English dominance hinders diversity" invite you to think about the impact of words on thought and behavior. These are stories about how humans acquire and use language, but they ultimately address big questions about how we experience knowledge itself. In a world of unprecedented access to science journalism, did you ever read a headline about human behavior and wonder: How do we know? This class takes up the elegant ways cognitive scientists design experiments to answer crucial questions about language and thought, brain and behavior, that have no intuitive answers. Students will dive deep into the media coverage of their favorite claims about what we know, debate the psychological science behind these claims, and develop transferable critical-thinking skills in the process.

0101	Jared Novick TuTh 11:00am - 12:15pm	Seats (Total: 30) TWS 0214
FC02	Kelley Gunther TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) JMZ 0118

HESP300 **Introduction to Psycholinguistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department. Recommended: HESP120.

An introduction to current theories of language and an investigation of their relationship to human communication behavior. Survey of the experimental literature relating to this question.

0101	Yi Ting Huang	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	ASY 3203

HESP305 **Anatomy and Physiology of the Speech Mechanism**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department.

Anatomy, physiology, and neurology of speech mechanism.

0101	Jennifer Myers	Seats (Total: 60)
	TuTh 11:00am - 12:15pm	TWS 0320

HESP307 **Speech & Hearing Science**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: HESP307 or HESP407.

Human hearing is exquisitely sensitive, allowing us to hear extremely faint sounds, to follow the sounds of a friend's voice in a loud party, and to appreciate subtle differences between words in the language. This course provides an introduction to the basic physics of sound, the acoustic properties of the sounds of speech, and the mechanisms by which those sounds are perceived by the listener.

PDH1	Kimberly Jenkins	Seats (Total: 25)	
	M 6:30pm - 9:00pm Class time/details on ELMs	ONLINE ONLINE	 Discussion

Must be in the Hearing & Speech in the Evening (HESPIE) program, online. For permission to register contact HESPIE@umd.edu. Golden ID students are not eligible for this section.

HESP311 **Anatomy, Pathology and Physiology of the Auditory System**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department.

Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.

0101	Lacey Curry	Seats (Total: 35)
	MW 9:30am - 10:45am	KEY 0102

HESP313 **Neurobiology for Speech and Hearing**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: HESP313 or HESP422.

Designed to provide an understanding of normal neuroanatomy and neurophysiology of speech and language. It will also provide preliminary information regarding pathologic processes, especially those affecting speech and language

PDH1	Jessica Duran	Seats (Total: 25)
	W 6:30pm - 8:10pm	ONLINE
	Must be in the Hearing & Speech in the Evening (HESPIE) program, online. For permission to register contact HESPIE@umd.edu. Golden ID students are not eligible for this section.	

HESP333 **Professional Development in Hearing and Speech Sciences**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

This course provides undergraduate students in Hearing and Speech Sciences with essential professional development skills to support their academic, clinical, and career goals. Through interactive discussions, hands-on activities, and guest speakers, students will explore topics such as research involvement, clinical pathways, graduate school preparation, and professional communication. The course emphasizes reflective practice, ethical considerations, and strategies for lifelong learning in the fields of communication sciences and disorders.

0101	Nicole Nguyen	Seats (Total: 30)
	W 2:00pm - 2:50pm	KEY 0125

HESP386 **Experiential Learning**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher; and permission of BSOS-Hearing & Speech Sciences department.

Students will have the opportunity observe and/or participate in therapy activities provided by a speech-language pathologist or audiologist in this experiential learning course.

Contact department for information to register for this course.

HESP389 **LEAP Classroom Internship**

(Perm req)

Credits: 1-3 Grading Method: Regular

Participation in a language-based, literacy-rich preschool classroom for children with speech-language disorders. Students will learn behavior management techniques, curriculum planning and implementation, facilitation of play among children, data collection and teaching srategies.

Contact department for information to register for this course.

HESP396 **SIGNA Undergraduate Peer Mentor Clinical Practicum**

(Perm req)

Credits: 2

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HESP202. Recommended: Coursework in PSYC, EDUC, Human Development, Disability Studies. Restriction: Sophomore standing or higher; and permission by instructor .

Students are paired with neurodivergent UMD students to support mentoring in social communication and executive functioning skills. Peer mentors are selected based on a rigorous application process for fall and spring semesters. Selected peer mentors will engage in an orientation process which includes in depth information on neurodiversity and the intersectionality of DEI; attend a weekly lecture and group sessions to acquire up-to-date knowledge and application of knowledge with neurodiverse populations; and manage meetings with neurodivergent students one-to-one on a weekly basis to support carryover of social coaching and executive functioning strategies.

0101	Candace Nuzzo Michiels	Seats (Total: 10)	
	F 12:00pm - 12:50pm	LEF 0135	
	F 2:30pm - 3:30pm	LEF 1221	Discussion

HESP397 **SIGNA Undergraduate Peer Coach Clinical Practicum**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HESP202. Recommended: Coursework in PSYC, EDUC, Human Development, Disability Studies, HESP396. Restriction: Junior standing or higher; and permission of instructor.

Students co-lead weekly groups for neurodivergent college students, coaching on topics and strategies pertaining to social communication and executive functioning skills. Peer coaches create outlines for weekly groups which are individualized by needs and interests. Peer coaches plan monthly social outings for SIGNA personnel to support generalization of executive functioning and social communication skills. Peer coaches are selected based on a rigorous application process for fall and spring semesters. Students who previously served in a peer mentor role in SIGNA are given priority consideration as peer coaches. Peer coaches will engage in an orientation process which includes in depth information on neurodiversity; attend weekly lectures to acquire up-to-date knowledge of neurodiverse populations; and attend group debrief meetings with the course instructor on a weekly basis to support implementation of social coaching and executive functioning feedback from groups.

0101	Candace Nuzzo Michiels	Seats (Total: 10)	
	F 3:45pm - 6:15pm	LEF 0135	

HESP400 **Speech and Language Development in Children**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP300; or permission of BSOS-Hearing & Speech Sciences department. Recommended: LING200 or HESP120. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.

Analysis of the normal processes of speech and language development in children.

0101	Rochelle Newman TuTh 12:30pm - 1:45pm	Seats (Total: 45) LEF 2166

HESP403 Introduction to Phonetic Science

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP305; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.

An introduction to physiological, acoustic and perceptual phonetics; broad and narrow phonetic transcription; current models of speech production and perception.

0101	Rochelle Newman TuTh 2:00pm - 3:15pm	Seats (Total: 45) LEF 2166

HESP411 Introduction to Audiology

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP311; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.

An introduction to the field of audiology. Evaluation and remediation of hearing handicaps.

0101	Stacey Kane TuTh 3:30pm - 4:45pm	Seats (Total: 50) VMH 1207
PBH1	Christopher Zalewski M 6:00pm - 8:30pm *Must be in the Hearing & Speech in the Evening (HESPIE) program. For permission to register contact HESPIE@umd.edu. Golden ID students are not eligible for this section.*	Seats (Total: 25) SQH 1123

HESP413 Aural Rehabilitation/Habilitation

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HESP411. Restriction: Sophomore standing or higher.

The fundamental aspects of aural rehabilitation therapy for both adults and children are introduced to students. Class time will consist of lectures, discussions, and hands-on activities.

PBH1	Monica Allgauer	Seats (Total: 25)
	Th 6:30pm - 9:00pm	SQH 1107
	Must be in the Hearing & Speech in the Evening (HESPIE) program. For permission to register contact HESPIE@umd.edu. Golden ID students are not eligible for this section.	

HESP415 **Principles and Methods in Speech-Language Pathology**

Credits: 2 Grading Method: Regular

Prerequisite: HESP400. Restriction: Must be in Hearing and Speech Sciences program.

The principles and methods required to provide treatment of speech and language disorders to children and adults. Topics include writing goals and objectives, programming,teaching strategies,session design, data collection, behavior modification and counseling.

0101	Jessica Wertz	Seats (Total: 45)
	W 12:00pm - 1:45pm	LEF 2166

HESP416 **Principles and Methods in Audiology**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: Minimum grade of C- in HESP411. Restriction: Must be in Hearing and Speech Sciences program; and permission of BSOS-Hearing & Speech Sciences department.

Relate previous knowledge of anatomy/physiology and pathologies of the auditory system and integrate this information into clinical application.

0101	Lisa Rickard	Seats (Total: 25)
	W 3:30pm - 5:15pm	LEF 0135

HESP422 **Neurological Bases of Human Communication**

Credits: 3 Grading Method: Regular

Prerequisite: HESP305; or permission of instructor. Credit only granted for: HESP498 or HESP422.

Basic neurology as it pertains to anatomy and physiology substrates of speech and language.

0101	Kristin Slawson	Seats (Total: 40)
	TuTh 9:30am - 10:45am	ARC 1103

HESP468H **Professional Development in Research and Academia; Honors Seminar: Professional Development**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

The purpose of this seminar is to complement your honors project with practical advice on how to navigate successful careers in research and academia. As you progress through your undergraduate years (especially if you work in a lab), you will likely make several unofficial observations about life as a graduate student, postdoc, or professor, and overhear conversations that include new terminology that may be confusing (e.g., research mentorship, grants, conference abstract, tenure). This can create a mysterious aura around what it is like to obtain your PhD and work in academia generally. In this class, we will cover tips and skills that are often passed along informally in the lab; but here, we will discuss these issues overtly from a range of perspectives, experiences, and best practices.

0101	Matthew Goupell, Jared Novick	Seats (Total: 10)
	F 1:00pm - 1:50pm	LEF 0104

HESP469 **Honor Thesis Research**

Credits: 1-3 Grading Method: Regular

Student will develop thesis proposal, conduct research, analyze results, develop and defend final written document.

Contact department for information to register for this course.

HESP469A **Honor Thesis Research**

Credits: 1-3 Grading Method: Regular

Student will develop thesis proposal, conduct research, analyze results, develop and defend final written document.

Contact department for information to register for this course.

HESP469B **Honor Thesis Research**

Credits: 1-3 Grading Method: Regular

Student will develop thesis proposal, conduct research, analyze results, develop and defend final written document.

Contact department for information to register for this course.

HESP489 **Undergraduate Research Experience**

Credits: 1-3 Grading Method: Sat-Fail

Undergraduate research experience working under HESP faculty or outside affiliates.

Contact department for information to register for this course.

HESP498 **Seminar**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in human communication and its disorders.

Contact department for information to register for this course.

HESP499 **Independent Study; Topics in the Hearing and Speech Sciences**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

A directed study of selected topics pertaining to human communication and its disorders.

Contact department for information to register for this course.

HESP499H **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

A directed study of selected topics pertaining to human communication and its disorders.

Contact department for information to register for this course.

HESP601 **Foundations of Scientific Inquiry**

Credits: 1 Grading Method: Regular, Sat-Fail

Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; or permission of Instructor. Additional information: Course meets over three semesters for the duration of the Masters of Speech-Language Pathology program.

Overview of methods of empirical research used in Communication Sciences and Disorders. The course will focus on identifying, critically analyzing, and writing about empirical research.

0101	Rochelle Newman	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

HESP605 **Assessment & Intervention in Bilingual Populations**

Credits: 3 Grading Method: Regular

Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program.

Integrates foundational knowledge pertaining to bilingualism in speech-language pathology. This course provides students with a framework for working with individuals from culturally and linguistically diverse backgrounds. This course is designed to educate and train student clinicians to serve as bilingual speech-language pathologists.

PWH1	Karen Miranda	Seats (Total: 30)
	Tu 6:00pm - 8:30pm	ONLINE
	Must be in the Bilingual Speech-Language Pathology for Practitioners, Online. Golden ID students are not eligible for this section.	

HESP606 **Basic Hearing Measurements**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: HESP411; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Clinical Audiology: Au.D. or Ph.D. (Doctoral) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.

Theoretical principles, methodology, and interpretation of routine audiometric tests, including pure tone, speech, and acoustic immittance measures. Modification of procedures for special populations. Equipment calibration and mass hearing screening programs.

0101	Kimberly Jenkins	Seats (Total: 9)
	Tu 4:30pm - 7:00pm	TLF 0110

HESP610 **Language Disorders in Adults**

Credits: 2 Grading Method: Regular, Audit

Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; or permission of instructor.

Etiology, diagnosis and management of language problems of adults associated with aging, brain injury and degenerative conditions.

0101	Yasmeen Shah	Seats (Total: 30)
	Meets October 20, 2025 - December 12, 2025	
	Th 9:00am - 12:35pm	LEF 0135

HESP613 **Autism Spectrum Disorders**

Credits: 2 Grading Method: Regular, Audit

Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; or permission of instructor. Credit only granted for: HESP639A or HESP613. Formerly: HESP639A.

Etiology, diagnosis and management of autism spectrum disorders.

0101	Jonet Artis	Seats (Total: 31)
	Meets October 20, 2025 - December 12, 2025	
	Tu 9:30am - 12:50pm	LEF 0135

HESP616 **Language Disorders in the Pre-school Age**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Prerequisite: HESP400; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.

Theoretical, empirical and clinical perspectives on language disorders in children from infancy through pre-school age.

0101	Nan Ratner	Seats (Total: 30)
	Meets September 2, 2025 - October 17, 2025	
	Tu 9:30am - 1:40pm	LEF 0135

HESP624 **Voice Disorders**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Restriction: Permission of BSOS-Hearing & Speech Sciences department; or must be in Hearing and Speech Sciences: M.A. (Master's) program.

Etiological characteristics, assessment and treatment of phonatory disorders in children and adults.

0101	Clarissa Ocampo	Seats (Total: 30)
	Meets October 21, 2025 - December 8, 2025	
	Tu 4:30pm - 6:30pm	LEF 0135
	Th 4:30pm - 6:00pm	ONLINE

HESP626 **Language disorders in school-aged children and adolescents**

Credits: 2 Grading Method: Regular, Audit

Etiology, assessment and treatment of communication and learning problems in school age children and adolescents

0101	Nan Ratner	Seats (Total: 30)
	Meets September 2, 2025 - October 12, 2025	
	Tu 4:15pm - 7:35pm	LEF 0135

HESP630 **Electrophysiological Measurements**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: HESP606. Restriction: Must be in Clinical Audiology: Au.D. or Ph.D. (Doctoral) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.

Principles and techniques of physiological and electrophysiological measures of the audio-vestibular mechanisms.

Offered fall only.

0101	Samira Anderson	Seats (Total: 15)
	Th 9:00am - 11:30am	VMH 2211

HESP638 **Research Practicum**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail, Audit

Analysis, synthesis and integration of knowledge related to current research or clinical issues in human communication and its related disorders.

Contact department for information to register for this course.

HESP639D **Special Topics in Hearing and Speech Sciences; Advanced Dysphagia**

Credits: 2 Grading Method: Regular, Audit

Intensive coverage of selected topics of current interest.

0101	Ashley Webb M 5:00pm - 6:40pm Contact instructor or department for details.	Seats (Total: 30) ONLINE	

HESP645 **Pediatric Audiology**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: HESP606. Restriction: Must be in Clinical Audiology: Au.D. or Ph.D. (Doctoral) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.

Evaluation and treatement of hearing-impaired children.

Offered Fall only.

0101	Stacey Kane W 2:30pm - 5:00pm	Seats (Total: 15) LEF 0104A	

HESP648A **Clinical Practice in Speech: Diagnostic Procedures**

(Perm req)

Credits: 1 Grading Method: Regular

Restriction: Permission of instructor.

Supervised training in the application of clinical methods in the diagnosis of speech disorders.

2101	Jessica Wertz Contact instructor or department for details.	Seats (Total: 5)	
2301	Eliza Thompson F 9:00am - 11:50am	Seats (Total: 5) Location: TBA	Lab
2801	Eusebia Mont F 9:00am - 11:50am	Seats (Total: 5) LEF 0135	Lab

3401	Ashley Webb F 9:00am - 11:50am	Seats (Total: 5) LEF 0135	 Lab
3601	Kristin Slawson F 9:00am - 11:50am	Seats (Total: 5) LEF 0135	 Lab
3701	Kathy Dow-Burger F 9:00am - 11:50am	Seats (Total: 5) LEF 0135	 Lab
XHE1	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)	

HESP648B **Clinical Practice in Speech: Therapeutic Procedures**

(Perm req)

Credits: 1-2 Grading Method: Regular

Prerequisite: HESP648A. Restriction: Permission of instructor. Repeatable to 6 credits.

Supervised training in the application of clinical methods in the treatment of speech disorders.

2101	Jessica Wertz Th 1:00pm - 1:50pm W 1:00pm - 2:30pm	Seats (Total: 5) LEF 0135 Location: TBA	 Lab Lab
2301	Eliza Thompson Th 1:00pm - 1:50pm	Seats (Total: 5) LEF 0135	 Lab
2801	Eusebia Mont Th 1:00pm - 1:50pm	Seats (Total: 5) LEF 0135	 Lab
3301	Courtney Overton Th 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 5) LEF 0135 Location: TBA	 Lab Lab
3401	Ashley Webb Th 1:00pm - 1:50pm	Seats (Total: 5) LEF 0135	 Lab
3701	Kathy Dow-Burger Th 1:00pm - 1:50pm	Seats (Total: 5) LEF 0135	 Lab

HESP649A **Clinical Practice in Audiology: Diagnostic Procedures**

Credits: 1-3 Grading Method: Regular, Audit

Restriction: Permission of instructor. Repeatable to 6 credits.

Supervised training in the application of clinical methods in the diagnosis of hearing disorders.

1101	Lacey Curry W 9:00am - 10:50am	Seats (Total: 10) LEF 0135
1501	Lisa Rickard W 9:00am - 10:50am	Seats (Total: 5) LEF 0135
2401	Christina Shields W 10:00am - 11:50am	Seats (Total: 5) ONLINE
3201	Nicole Nguyen Contact instructor or department for details.	Seats (Total: 5)
3501	Instructor: TBA W 9:00am - 10:50am	Seats (Total: 5) LEF 0135

HESP649B **Clinical Practice in Audiology - Aural Rehabilitation**

(Perm req)

Credits: 1 Grading Method: Regular

Prerequisite: HESP649A.

A clinical practicum course with individualized instruction, which focuses on the skills necessary to provide intervention and counseling for a wide range of disorders of the auditory system in patients of varying ages and cultural backgrounds. Each student will be various activities across three semesters (Spring YR2, Summer YR2, and Fall YR3). Students may work individually or in pairs to provide hearing loss intervention, auditory training, hearing loss prevention education, and communication strategy training. The student is expected to prepare for each session with a complete clinical plan, educational materials, and counseling strategies. Students must meet with the Audiologist prior to the aural rehabilitation (AR) session to discuss the plan of care. During the visit, the student will perform hearing loss handicap assessments, lead counseling sessions regarding rehabilitative options, make modifications to existing treatment plans/hearing aids, and educate the patient about their hearing. Following the visit, the student will document the encounter according to clinical protocol and ethical standards using the electronic medical records system. All patient-related information will be handled within a secure computer environment which meets HIPAA regulations for protected health information.

Contact department for information to register for this course.

HESP700 **Hearing Aids**

Credits: 3 Grading Method: Regular, Audit

Principles, methods and procedures for selection, fitting, calibration and management of amplification systems for hearing-impaired children and adults.

0101	Eric Hoover	Seats (Total: 10)
	W 3:30pm - 6:00pm	LEF 1171

HESP702 **Diagnostic Procedures in Speech-Language Pathology**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.

Diagnostic tools and methods in the analysis of speech-language disorders in children and adults.

0101	Eliza Thompson	Seats (Total: 30)
	Meets September 2, 2025 - October 17, 2025	
	Th 9:00am - 12:35pm	LEF 0135

HESP708 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Individual research projects under guidance of a faculty member.

Contact department for information to register for this course.

HESP710 **Industrial and Environmental Noise Problems**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of instructor.

Evaluation and control of noise hazards. Effects of noise on man. Medico-legal aspects of noise-induced hearing impairment.

0101	Eric Hoover	Seats (Total: 20)
	M 9:30am - 12:00pm Contact instructor or department for details.	LEF 1201

HESP712 **Cochlear Implants and Other Implantable Technologies**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed or be concurrently enrolled in HESP700, HESP701, and HESP722; or permission of instructor.

Comprehensive presentation of cochlear implant design and processing, medical/surgical aspects, evaluation, programming, outcomes in children and adults, and post stimulation care. The role of the audiologist as a member of the cochlear implant team will be emphasized. Current and emerging trends in other implantable technologies also will be covered.

0101	Nicole Nguyen, Matthew Goupell	Seats (Total: 12)	
	M 2:30pm - 5:00pm	LEF 0135	

HESP722 **Psychoacoustics**

Credits: 3 Grading Method: Regular, Audit

Auditory perception and auditory processing in normal and impaired hearing.

0101	Matthew Goupell	Seats (Total: 15)	
	Th 3:30pm - 6:00pm	ARC 1123	

HESP728 **Advanced Clinical Practice in Speech; Advanced Graduate Laboratory Practicum in Speech-Language Pathology**

(Perm req)

Credits: 1-8 Grading Method: Regular

Clinical internship in selected off-campus facilities.

Contact department for information to register for this course.

HESP729 **Advanced Clinical Practice in Audiology; Advanced Graduate Laboratory Practicum in Audiology**

(Perm req)

Credits: 1-8 Grading Method: Regular

Clinical internship in selected off-campus facilities.

1301	Nicole Nguyen	Seats (Total: 20)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		
3201	Nicole Nguyen	Seats (Total: 20)	
	Contact instructor or department for details.		

HESP732 **Hearing Aids Lab**

Credits: 1 Grading Method: Regular

Corequisite: HESP700.

Laboratory experience covering clinical procedures of concepts addressed in concurrent academic course, Hearing Aids 1 (HESP700). This laboratory is 1-credit and graded separately from HESP700. Students will be given the opportunity for hands-on practice in the use of amplification devices for the treatment of hearing impairment. As the first lab in the course series, students will be able to describe and apply current best practices required for amplification-based aural (re)habilitation for patients across the lifespan including those that may differ from them in race, ethnicity, gender identity, sexual orientation, and socioeconomic background.

0101	Lacey Curry	Seats (Total: 15)	
	W 2:00pm - 2:50pm	LEF 0135	Lab

HESP734 **Basic Hearing Measurement Laboratory**

Credits: 1 Grading Method: Regular, Audit

Prerequisite: HESP416. Corequisite: HESP606.

Supplemental lab experience that coincides with HESP606: Basic Hearing Measurement. Students will complete hands-on learning activities to reinforce theoretical concepts from the didactic learning in HESP606. The goal of this lab is to facilitate the transfer of learning from the classroom to clinical practicum.

0101	Christina Shields, Nicole Nguyen F 1:00pm - 2:30pm	Seats (Total: 25) LEF 0135

HESP736 **Electrophysiological Measurements Lab**

Credits: 1 Grading Method: Regular

Prerequisite: HESP606. Corequisite: HESP630.

This course is a supplemental lab experience that coincides with HESP630: Electrophysiological Measurements. Students will complete hands-on learning activities to reinforce theoretical concepts from the didactic learning in HESP630. The goal of this lab is to facilitate the transfer of learning from the classroom to clinical practicum.

0101	Samira Anderson W 1:00pm - 2:15pm	Seats (Total: 15) Location: TBA

HESP788 **Graduate Research Externship**

Credits: 1-3 Grading Method: Regular, Audit

Off-campus research internship with departmental affiliates at National Institutes of Health and other regional universities. Contact department chairman for available placements, requirements and openings.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

HESP829 **Clinical Internship Residency**

Credits: 1-9 Grading Method: Regular, Audit

Off-Campus, full-time (30-40 hours/week) clinical externship in Audiology at regional and national institutions.

1301	Nicole Nguyen Contact instructor or department for details.	Seats (Total: 5)
3201	Nicole Nguyen Contact instructor or department for details.	Seats (Total: 5)

HESP849 **Capstone Research Project I**

Credits: 2 Grading Method: Regular

First of two-course sequence leading to the final research requirement for the Doctor of Audiology (Au.D.) degree; involves individual study and/or supervised lab work with mentor, preparation of research proposal (including IRB protocol if required), and attendance at Capstone Research Project Workshop.

Contact department for information to register for this course.

HESP859 **Capstone Research Project II**

Credits: 1-2 Grading Method: Regular

Second of two-course sequence leading to the final research requirement for the Doctor of Audiology (Au.D.) degree; involves final data collection, analysis and presentation of results or completion of scholarly paper under the direction of the faculty mentor.

Contact department for information to register for this course.

HESP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

HESP899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

HGLO Honors Global Communities Fall 2025

HGLO100 **The Student in the University: Global Communities**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be an entering freshman in the Honors Global Communities Program. Credit only granted for: BSGC100 or HGLO100. Formerly: BSGC100.

Students will develop a sense of community within the program, become familiar with campus resources, gain skills and information to prepare for the Global Experience Semester, and explore the surrounding international community.

0101	Alfredo Oliveira Tu 9:30am - 10:45am	Seats (Total: 22) DOR 0134

0102	Natalie Vinski Ibrahim Tu 11:00am - 12:15pm	Seats (Total: 22) DOR 0134	
0103	Natalie Vinski Ibrahim Tu 2:00pm - 3:15pm	Seats (Total: 22) DOR 0134	
0104	Alfredo Oliveira Tu 12:30pm - 1:45pm	Seats (Total: 22) DOR 0134	

HGLO101 **Saving the World With Data**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

Restriction: Must be an entering freshman in the Honors Global Communities Program. Credit only granted for: HGLO101 or BSGC101. Formerly: BSGC101.

The world is grappling with many intractable issues, like climate change, pandemics, democratic backsliding, and inequality. How can we use data analysis to help us better understand and work to solve these problems? In this class students will engage with a wide range of issues affecting the entire globe. In addition, they will also gain valuable data science skills by learning the basics of coding in R. No previous programing experience is required.

0101	Sarah Croco MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 23) TYD 0117 DOR 0134	Discussion
0102	Sarah Croco MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 22) TYD 0117 DOR 0134	Discussion
0103	Sarah Croco MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 22) TYD 0117 DOR 0134	Discussion
0104	Sarah Croco MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 22) TYD 0117 DOR 0134	Discussion

HGLO208 **Using Data to Answer Hard Questions**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

In this class, students will learn more advanced data science techniques and gain an understanding of hypothesis formation and general research design.

Restriction: Must be in Honors Global Communities Living-Learning program.

0101	Sarah Croco MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0111 KNI 1103	 Discussion

HHUM Honors Humanities Fall 2025

HHUM105 **Honors Humanities: Introduction to the Arts and Humanities**

Credits: 3 Grading Method: Regular CORE: HL General Education: DSHU

Restriction: Must be an entering freshmen in the Honors Humanities Program. Credit only granted for: ARHU105 or HHUM105. Formerly: ARHU105.

Introduction to the university, the different fields of the arts and humanities, and the history of how the university and the humanities have evolved across the world from ancient times to the present. Primary emphasis on reading and discussion of literary artifacts to assess the meaning and social status of the arts and humanities in the past and their personal and social value for the future.

0101	Randy Ontiveros MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 17) ESJ 1202 ANA 0120	 Discussion
0102	Randy Ontiveros MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 17) ESJ 1202 ANA 0120	 Discussion
0103	Randy Ontiveros MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 17) ESJ 1202 ANA 0120	 Discussion
0104	Randy Ontiveros MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 17) ESJ 1202 ANA 0120	 Discussion

HHUM205 **Second Year Seminar in Honors Humanities**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO General Education: DVUP

Credit only granted for: ARHU205 or HHUM205. Formerly: ARHU205.

Seminar on basic issues and methodologies in the humanities and arts.

The Private Self and the Idea of Love in Early Modern Art.

0101	Kate Spanos Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm *Dancing in the World.*	Seats (Total: 16) ANA 0120 PKT 2102
0102	Oludolapo Demuren TuTh 12:30pm - 1:45pm *Why We Create and Share Stories, Poems and Zines.*	Seats (Total: 16) ANA 0120
0103	Aneta Georgievska-Shine TuTh 3:30pm - 4:45pm *The Private Self and the Idea of Love in Early Modern Art*	Seats (Total: 16) ARC 1127
0104	Caitlin McGrath M 4:00pm - 6:30pm *Where Cinema Happens: Movie-Going Through the Decades*	Seats (Total: 16) ANA 0120

HHUM328 **Internship in Honors Humanities**

Credits: 1-3 Grading Method: Regular

Supervised service-learning in Honors Humanities.

0101	Sarah Humud Class time/details on ELMs	Seats (Total: 12) ONLINE
0102	Sarah Humud Class time/details on ELMs	Seats (Total: 12) ONLINE
0103	Sarah Humud Class time/details on ELMs	Seats (Total: 12) ONLINE

HHUM329 **Undergraduate Teaching Assistantship**

Credits: 1-3 Grading Method: Regular

Supervised pedagogical service-learning in the Honors Humanities curriculum.

0101	Randy Ontiveros Class time/details on ELMs	Seats (Total: 8) ONLINE

HISP Historic Preservation Fall 2025

HISP200 **The Everyday and the American Environment**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HO, D	General Education: DSHU, DVUP, SCIS

Jointly offered with HISP615.

An introduction to the theories of the everyday within the context of the American built environment. Focuses primarily on the American experience of underrepresented, minority, and/or immigrant communities; both historical and contemporary. Attempts to challenge what is meant by American in describing the American everyday built environment.

0101	Stefan Woehlke Th 3:30pm - 4:45pm F 1:00pm - 2:15pm	Seats (Total: 19) ASY 2309 TLF 0103	 Discussion
0102	Stefan Woehlke Th 3:30pm - 4:45pm F 1:00pm - 2:15pm	Seats (Total: 24) ASY 2309 EDU 1107	 Discussion
0103	Stefan Woehlke Th 3:30pm - 4:45pm F 2:00pm - 3:15pm	Seats (Total: 24) ASY 2309 EDU 3236	 Discussion
0104	Stefan Woehlke Th 3:30pm - 4:45pm F 2:00pm - 3:15pm	Seats (Total: 24) ASY 2309 ASY 3219	 Discussion
0105	Stefan Woehlke Th 3:30pm - 4:45pm F 2:00pm - 3:15pm	Seats (Total: 19) ASY 2309 ASY 3221	 Discussion

HISP319K **Special Topics in Historic Preservation; Preserving Asian American Histories and Historic Preservation**

(Perm req)

Credits: 3	Grading Method: Regular, Pass-Fail, Audit

Students will explore technical aspects of preservation taught by practitioners whose expertise are of special benefit to undergraduate students.

This course introduces students to historic preservation and the ways in which Asian Americans have been interpreted through narratives of archival research of the built environment and landmark designation. Students will gain a greater understanding of the role of Asian Americans in US historic preservation practice, the preservation of Asian Americans historic sites (people, places, historical moments) and how to conduct research on Asian American historic preservation. Though the class will concentrate on Asian Americans, issues related to Asian American represented in historic preservation (including historic sites) will be examined within the larger context of America's multicultural preservation landscape. Cross-listed with AAST398I Credit only granted for HISP319K or AAST398I.

0101	Michelle Magalong	Seats (Total: 24)
	TuTh 12:30pm - 1:45pm	ARC 1101

HISP319P **Special Topics in Historic Preservation; Excavating Local Heritage: An Archaeology and Preservation Field School**

(Perm req)

Credits: 3 Grading Method: Regular

Students will explore technical aspects of preservation taught by practitioners whose expertise are of special benefit to undergraduate students.

Course meets at dig location, with occasional lab times as determined by instructor. For further information, please contact instructor at swoehlke@umd.edu

0101	Stefan Woehlke	Seats (Total: 20)
	F 9:00am - 4:00pm	Location: TBA

HISP600 **History, Theory, and Practice of Historic Preservation**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program.

An introduction to history, theory and practice of historic preservation covered through readings, discussions, presentations, class projects, and field trips.

0101	Susan Kern	Seats (Total: 20)
	Th 7:00pm - 9:40pm	ARC 1117

HISP611 **Historical Research Methods**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP610 or HISP611.

Research methods used by professional historic preservationists to identify and record historic structures and sites. Emphasizes inter/multidisciplinary nature of contemporary preservation practice using archival and ethnographic evidence as a basis for establishing significance.

Department permission required.

0101	Donald Linebaugh	Seats (Total: 15)
	W 7:00pm - 9:40pm	ARC 1127

HISP619K **Special Topics in Historic Preservation; Preserving Asian American Histories and Historic Preservation**

(Perm req)

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Technical aspects of preservation taught by practitioners whose expertise are of special benefit to certificate students.

0101	Michelle Magalong TuTh 12:30pm - 1:45pm	Seats (Total: 5) ARC 1101

HISP619P **Special Topics in Historic Preservation; Excavating Local Heritage: An Archaeology and Preservation Field School**

(Perm req)

Credits: 3 Grading Method: Regular

Technical aspects of preservation taught by practitioners whose expertise are of special benefit to certificate students.

Course meets at dig location, with occasional lab times as determined by instructor. For further information, please contact instructor at swoehlke@umd.edu

0101	Stefan Woehlke F 9:00am - 4:00pm	Seats (Total: 10) Location: TBA

HISP619T **Special Topics in Historic Preservation; Computer Lab for Preservation**

(Perm req)

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Technical aspects of preservation taught by practitioners whose expertise are of special benefit to certificate students.

In this course, students will be introduced to a wide array of computational and digital tools that are becoming essential parts of the Preservation toolkit in the 21st century. Students will also complete a project that goes beyond the basics introduced in class, diving deep into a tool or technique like the digitization and analysis of historical documents, site mapping, scanning, AutoCAD drawings, or historical BIM development.

0101	Stefan Woehlke TBA	Seats (Total: 12) ARC 1117

HISP629 **Independent Studies in Historic Preservation**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Individual Instruction course.

0101	Susan Kern TBA	Seats (Total: 1) ARC 1117
0102	Michelle Magalong Contact instructor or department for details.	Seats (Total: 1)

HISP650 **Historic Preservation Studio Workshop**

(Perm req)

Credits: 6

Grading Method: Regular, Audit

Prerequisite: HISP600; and permission of ARCH-Historic Preservation Program. Restriction: Must be in a major in ARCH-Historic Preservation Program.

Students carry out a group preservation project in a local community, from inception and problem formulation through completion. Guided carefully by a faculty team, students will conduct research, interact with communities, perform analyses, and propose solutions for an issue or problem of direct relevance to a local community and client group.

Department permission required.

0101	Michelle Magalong TuTh 4:00pm - 6:40pm	Seats (Total: 15) ARC 1117

HISP655 **American Vernacular Architecture**

(Perm req)

Credits: 4

Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP655 or HISP619V. Formerly: HISP619V.

History, theory, and practice of American vernacular architecture including a review of common building technologies, structure, and style, and focusing on methods and approaches for recording, documenting and analyzing these historic resources.

Prerequisite: permission of department. Class will meet some sessions at Bostwick House.

0101	Donald Linebaugh Tu 7:00pm - 9:40pm Contact instructor or department for details.	Seats (Total: 15) ARC 1117

HISP660 **Internship in Historic Preservation**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program. Formerly: HISP619.

Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.

0101	Susan Kern Contact instructor or department for details.	Seats (Total: 10)

HISP680 **Preservation Economics**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619N or HISP680. Formerly: HISP619N.

Students are introduced to a range of economic theories, methods, and issues that must be considered in the practice of historic preservation. Case studies related to community economic development, adaptive reuse, tax credit programs, project finance, and land use will be presented.

0101	Cristina Amoruso M 7:00pm - 9:40pm	Seats (Total: 15) ARC 1117

HISP701 **Certificate Portfolio Project**

(Perm req)

Credits: 1

Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program.

Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline.

Department permission required.

0101	Susan Kern TBA	Seats (Total: 10) ARC 1117

HISP710 **Final Project in Historic Preservation I**

(Perm req)

Credits: 1

Grading Method: Regular, Audit

Credit only granted for: HISP700 or HISP710. Formerly: HISP700.

An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part one of a two-semester sequence and involves developing the project proposal and bibliography.

Department permission required.

0101	Susan Kern W 7:00pm - 9:40pm	Seats (Total: 10) ARC 1117

HISP711 **Final Project in Historic Preservation II**

(Perm req)

Credits: 2

Grading Method: Regular, Audit

Credit only granted for: HISP700 or HISP711. Formerly: HISP700.

An independent, applied research project invesitgating the preservation of a particular site or a specialized issue in historic preservation. This is part two of a two semester sequence and involves project research and writing.

Department permission required.

0101	Susan Kern	Seats (Total: 10)
	TBA	ARC 1117

HIST History Fall 2025

HIST106 **American Jewish Experience**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS, DVUP

Cross-listed with: JWST141. Credit only granted for: HIST106 or JWST141.

History of the Jews in America from Colonial times to the present. Emphasis on the waves of migration from Germany and Eastern Europe; the changing nature of the American Jewish community and its participation in American social, economic, and political life.

0101	Marsha Rozenblit	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	KEY 0126

HIST108D **Freshman/Sophomore Seminar in History; A History of Drugs from Ayahuasca to Zantac**

Credits: 3 | Grading Method: Regular, Pass-Fail

Seminar for freshmen and sophomores on a specific historical case study and historical "problem," taught by a professor who specializes in the field. Participants will learn about the subject by doing the work of historians: carefully considering primary and secondary sources, discussing them in a seminar format, and preparing original written work drawn upon these materials. Seminar topics will range widely and the offerings will vary each semester; these are "special topics" courses.

The term "drug" has meant many things over its long history, ranging from a remedy to a banned substance. In this seminar we'll explore the term's history and see how it has changed over time. Topics include global trade, cultural appropriation, healthcare. politics, law, technology, and big pharma.

0101	Zachary Dorner	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TLF 2100

HIST110 **The Ancient World**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU

Interpretation of select literature and art of the ancient Mediterranean world with a view to illuminating the antecedents of modern culture; religion and myth in the ancient Near East; Greek philosophical, scientific, and literary invention; and the Roman tradition in politics and administration.

0101	Hayim Lapin MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 23) CHE 2108 KEY 0100	Discussion
0102	Hayim Lapin MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 23) CHE 2108 KEY 0100	Discussion
0103	Hayim Lapin MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 23) CHE 2108 KEY 0100	Discussion

HIST111 **The Medieval World**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS, DVUP

The development of Europe in the Middle Ages; the role of religious values in shaping new social, economic, and political institutions; medieval literature, art and architecture.

0101	Stefano Villani TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 23) KEY 0106 TLF 2108	Discussion
0102	Stefano Villani TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 23) KEY 0106 TLF 2108	Discussion
0103	Stefano Villani TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 23) KEY 0106 TLF 2108	Discussion
0104	Stefano Villani TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 23) KEY 0106 TLF 2108	Discussion
0105	Stefano Villani TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 23) KEY 0106 TLF 2108	Discussion
0106	Stefano Villani TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 23) KEY 0106 TLF 2108	Discussion

FC01	Nicholas Misukanis W 7:30pm - 8:45pm Class time/details on ELMs *Restricted to students in Freshmen Connection*	Seats (Total: 30) KEY 0103 ONLINE	Discussion

HIST113 **The Making of Modern Europe**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS

Evolution of modern nation states since late medieval times. Industrial-economic structure and demography. Emergence of modern secular society.

0101	Piotr H Kosicki MW 10:00am - 11:15am	Seats (Total: 40) ONLINE	

HIST120 **Islamic Civilization**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHU

Cross-listed with: RELS120. Credit only granted for: HIST120 or RELS120.

Introduction to society and culture in the Middle East since the advent of Islam: as a personal and communal faith; as artistic and literary highlights of intellectual and cultural life; and as the interplay between politics and religion under the major Islamic regimes.

0101	Antoine Borrut MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 23) CCC 1205 TLF 2103	Discussion
0102	Antoine Borrut MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 23) CCC 1205 TLF 2103	Discussion
0103	Antoine Borrut MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 23) CCC 1205 TLF 2103	Discussion

HIST122 **African Civilization to 1800**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DVUP

History of Africa from earliest times to 1800. Topics of study include origins of African societies, Nile Valley civilization, medieval African states and societies, Islam, oral traditions, African slavery and the slave trade, and early African-European interactions.

0101	Paul Landau TuTh 9:30am - 10:45am		Seats (Total: 40) TYD 1118	

HIST132 **Fighting Slavery**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHU, SCIS

An examination of the different tools and tactics, means and methods that Americans have used to escape slavery or try to eliminate it.

0101	William Horne MWF 1:00pm - 1:50pm		Seats (Total: 40) KEY 0103	

HIST134 **Spies, Assassins, Martyrs, and Witches: Famous Trials in American History**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHU, SCIS

Examination of some of the most famous trials in American history and their enduring hold on the imagination.

0101	Michael Ross TuTh 9:30am - 10:20am W 9:00am - 9:50am		Seats (Total: 23) KEY 0106 TLF 1101	Discussion
0102	Michael Ross TuTh 9:30am - 10:20am W 10:00am - 10:50am		Seats (Total: 23) KEY 0106 TLF 1101	Discussion
0103	Michael Ross TuTh 9:30am - 10:20am W 11:00am - 11:50am		Seats (Total: 23) KEY 0106 TLF 1101	Discussion
0104	Michael Ross TuTh 9:30am - 10:20am W 12:00pm - 12:50pm		Seats (Total: 23) KEY 0106 TLF 1101	Discussion
0105	Michael Ross TuTh 9:30am - 10:20am W 1:00pm - 1:50pm		Seats (Total: 23) KEY 0106 TLF 1101	Discussion
0106	Michael Ross TuTh 9:30am - 10:20am W 2:00pm - 2:50pm		Seats (Total: 23) KEY 0106 TLF 1101	Discussion

HIST134S **Spies, Assassins, Martyrs, and Witches: Famous Trials in American History**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SH	General Education: DSHU, SCIS

Examination of some of the most famous trials in American history and their enduring hold on the imagination.

0201	Michael Ross TuTh 9:30am - 10:20am W 11:00am - 11:50am	Seats (Total: 27) KEY 0106 KNI 1206	Discussion

Restricted to students in the M-Law program.

HIST135 **Civil Discourse or Urban Riot: Why Cities Don't (Often) Explode**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SH, D	General Education: DSHS, DVUP, SCIS

Cross-listed with: JWST289E. Credit only granted for: HIST135 or JWST289E.

An examination of the mechanisms that promote peaceful co-existence in urban societies and a discussion of how and why city streets sometimes become violent.

0101	Bernard Cooperman TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 23) ESJ 2212 TLF 1103	Discussion
0102	Bernard Cooperman TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 23) ESJ 2212 TLF 1103	Discussion
0103	Bernard Cooperman TuTh 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 23) ESJ 2212 TLF 1103	Discussion

HIST200 **Interpreting American History: Beginnings to 1877**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SH	General Education: DSHS, DSHU

Credit only granted for: HIST156 or HIST200. Formerly: HIST156.

The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

0101	Christopher Bonner TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 23) KEY 0106 TLF 1101	Discussion

0102	Christopher Bonner TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 23) KEY 0106 TLF 1101	Discussion
0103	Christopher Bonner TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 23) KEY 0106 TLF 1101	Discussion
0104	Christopher Bonner TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 23) KEY 0106 TLF 1101	Discussion
0105	Christopher Bonner TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 23) KEY 0106 TLF 1101	Discussion
0106	Christopher Bonner TuTh 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 23) KEY 0106 TLF 1101	Discussion
FC01	Howard Smead MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) KEY 0102	

HIST201 **Interpreting American History: From 1865 to the Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS, DSHU, DVUP

Credit only granted for: HIST157 or HIST201. Formerly: HIST157.

The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

0101	Howard Smead MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 23) KEY 0106 TLF 1103	Discussion
0102	Howard Smead MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 23) KEY 0106 TLF 1103	Discussion

0103	Howard Smead MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 23) KEY 0106 TLF 1103	Discussion
0104	Howard Smead MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 23) KEY 0106 TLF 1103	Discussion
0105	Howard Smead MW 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 23) KEY 0106 TLF 1103	Discussion
0106	Howard Smead MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 23) KEY 0106 TLF 1103	Discussion
0107	Howard Smead MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 23) KEY 0106 TLF 1103	Discussion
0108	Howard Smead MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 23) KEY 0106 TLF 1103	Discussion
0109	Howard Smead MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 23) KEY 0106 TLF 1103	Discussion
0201	Robert Chiles TuTh 12:30pm - 1:20pm Tu 9:30am - 10:20am	Seats (Total: 23) KEY 0106 TLF 2103	Discussion
0202	Robert Chiles TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 23) KEY 0106 TLF 2103	Discussion
0203	Robert Chiles TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 23) KEY 0106 TLF 2103	Discussion

0204	Robert Chiles TuTh 12:30pm - 1:20pm Th 9:30am - 10:20am	Seats (Total: 23) KEY 0106 TLF 2103	Discussion
0205	Robert Chiles TuTh 12:30pm - 1:20pm Th 11:00am - 11:50am	Seats (Total: 23) KEY 0106 TLF 2103	Discussion
0206	Robert Chiles TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 23) KEY 0106 LEF 1171	Discussion
0207	Robert Chiles TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 23) KEY 0106 TLF 2100	Discussion
0208	Robert Chiles TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 23) KEY 0106 TLF 2100	Discussion
0209	Robert Chiles TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 23) KEY 0106 TLF 2100	Discussion
FC01	Robert Chiles TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 27) TLF 1101	

HIST208L **Historical Research and Methods Seminar; How Revolutionary: Upheavals in History**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Reading and research skills and methods. Research papers will be based on the topic of the seminar.

We will examine the major historiographical trends and debates in the study of revolutions, ranging from the long eighteenth century's Age of Revolutions through the twentieth century's independence movements and social revolutions. After completing this historiographic training, students will conduct original research related to revolution in the 18th, 19th, or 20th centuries.

0101	Hannah Nolan MW 11:00am - 12:15pm	Seats (Total: 12) KEY 0117

0201	Hannah Nolan MW 2:00pm - 3:15pm	Seats (Total: 12) KEY 0117

HIST208N **Historical Research and Methods Seminar; War and Society**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Reading and research skills and methods. Research papers will be based on the topic of the seminar.

Examines how war has shaped and been shaped by society. Explores how military conflicts have raised questions and opened debates about militarism, national identity, citizenship, gender, sexuality, and race. Students may research a period and geographic area of their choosing.

0101	Lauren Cain TuTh 11:00am - 12:15pm	Seats (Total: 12) KEY 0117
0201	Lauren Cain TuTh 2:00pm - 3:15pm	Seats (Total: 12) KEY 0117

HIST219I **Religions of the Ancient Near East**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SH, D General Education: DSHU

Cross-listed with: RELS225, JWST225. Credit only granted for: JWST225, HIST219I, RELS225, or RELS219A. Formerly: RELS219A.

Introduction to ancient Near Eastern religious systems and mythology, from the third millennium BCE through the fourth century BCE. Particular emphasis on Mesopotamia and ancient Israel.

0101	Matthew Suriano MW 3:30pm - 4:45pm	Seats (Total: 25) SQH 1121

HIST224 **Modern Military History, 1494-1815**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SH General Education: DSHS

Survey of global military history from the European "discovery" of the Americas to the end of the Napoleonic Wars. Explores how the creation of professional armies, advancement of weapons technology, and evolution of military-civilian relations in Europe during these three centuries sparked the "Rise of the West".

0101	Patrick Chung TuTh 2:00pm - 3:15pm	Seats (Total: 40) ESJ 1309

HIST226 **Revolution, Regret, and Reform: The People and Principles in American Political History**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSHS

Credit only granted for: HONR299G or HIST226. Formerly: HONR299G.

Explores American political history from Independence through the present day. Interrogates the roots of American political ideas, the dynamics of partisan competition, the interaction of class, ethnicity, race, and politics, the evolution of policy preferences, the growth of the state, and the transformation of grassroots expectations and ambitions, among other important themes. By exploring the writings of major figures as well as the preferences of anonymous voters--and everyone in between, this course will help students identify the overarching themes and the important forgotten moments in our nation's political development. Students will end the semester armed with a mastery of this history, an understanding of the methods of political historians and scholars in related fields, and a contextualization of our contemporary political world.

0101	Robert Chiles	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 0116

HIST232 **The Historical Development of London**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SH	General Education: DSHS

Restriction: Permission of Study Abroad Office required. Credit only granted for: GNED288 and HIST232. Formerly: GNED288.

Study Abroad in London, England. The history of London, beginning with its foundation by the Romans, continuing with the city's progressive political and cultural domination of England, the British Isles and the British Empire, and concluding with a look at the city in the 20th century. Students look at London through the eyes of contemporaries and historians while forming their own impressions of the city during course-based walking tours of the city.

Contact department for information to register for this course.

HIST234 **Invaders, Conquerors, Usurpers: A History of Pre-Modern Britain to 1485**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SH	General Education: DSHS

British history from Roman times to the 15th century. The Anglo-Saxon, Scandinavian, and Norman invasions; the coming of Christianity; Magna Carta, the development of Parliament, legal institutions, and the Common Law; the decline of medieval kingship.

0101	Sabrina Baron	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	ONLINE

HIST250 **History of Colonial Latin America**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SH, D	General Education: DSHS, DVUP

Cross-listed with: LACS250. Credit only granted for: LASC250, HIST250, OR LACS250. Formerly: LASC250.

Introductory survey of the history of Latin America from pre-Columbian Indian cultures to the beginning of the wars for independence (ca. 1810), covering cultural, political, social, and economic developments. Major themes include conquest, colonialism, indigenous culture, African slavery, religion, race and ethnicity, and gender ideologies.

0101	Alejandro Caneque	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 0126

HIST254 **African-American History to 1865**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DVUP

Cross-listed with: AAAS254. Credit only granted for: HIST254, AAAS254 or AASP298C.

Survey of the principal developments in the history and culture of the peoples of African descent in colonial North America and the United States to 1865. Examines the African past, the Atlantic slave trade, variation in slavery, the growth of free black communities, the transformations of families and cultural forms, and patterns of resistance.

Cross-listed with AASP298C. Credit will be granted for AASP298C or HIST 254.

0101	Leigh Soares	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 0103

HIST261 **Medicine in an Age of Empires, 1500-1800**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP

An introduction to the broad shifts in European medicine of early modern period, a period that saw the extension of overseas empires and the emergence of medicine as a profession. The course offers a thematic and comparative look at the intertwined experiences of disease, empire, and global commerce that reshaped expectations of what medicine could or should do, for whom, and at what cost.

0101	Zachary Dorner	Seats (Total: 40)
	TuTh 9:30am - 10:45am	KEY 0103

HIST266 **The United States in World Affairs**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS

A study of the United States as an emerging world power and the American response to changing status in world affairs. Emphasis on the relationship between internal and external development of the nation.

0101	Howard Smead	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	KEY 0103

HIST269 **Special Topics in Study Abroad II**

Credits: 1-6 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

HIST269M **Special Topics in Study Abroad II; History of Modern Italy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

HIST269Y **Special Topics in Study Abroad II; Rome: Republic and Empire**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

HIST281 **Inventing Traditions: The Making of Rabbinic Judaism**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DSHU, SCIS

Cross-listed with: JWST230, RELS230. Credit only granted for: HIST281, JWST230, RELS219C or RELS230. Formerly: RELS219C.

Introduces the dramatic literary and cultural (as well as political and demographic) innovations that reshaped Judaism in late antiquity. Examines the fundamental works and genres of rabbinic literature and the religious movement that produced them. Special emphasis on the rabbinic uses of "tradition" to enhance authority and legitimacy, and to foster group identity.

0101	Hayim Lapin MW 2:00pm - 3:15pm	Seats (Total: 30) KEY 0100	

HIST284 **East Asian Civilization I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DVUP

An interdisciplinary survey of the development of East Asian cultures. An historical approach drawing on all facets of East Asian traditional life, to gain an appreciation of the different and complex cultures of the area.

0101	Ting Zhang TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 23) SYM 0200 TLF 2103	 Discussion

0102	Ting Zhang TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 23) SYM 0200 TLF 2103	Discussion
0103	Ting Zhang TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 23) SYM 0200 TLF 2103	Discussion

HIST289A **Jews, Christians, and Muslims in Medieval Spain: Tolerance, Oppression, and the Problematic Past**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP, SCIS

Cross-listed with: RELS289C. Credit only granted for: HIST289A or RELS289C.

For 800 years, medieval Spain was home to one of the most religiously diverse societies in European history. Despite frequent hostilities, the interactions of Spanish Jews, Christians, and Muslims produced a flowering of science, theology, and literature in an often remarkably tolerant climate. Students will learn how medieval Spanish people themselves experienced interreligious contact and conflict. They will also discover the modern pressures, prejudices, and ideals that have shaped historians interpretations of medieval Spain.

0101	Janna Bianchini MW 2:00pm - 3:15pm	Seats (Total: 40) KEY 0116

HIST299 **Directed Research**

(Perm req)

Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit

Closely guided research in primary sources for students currently enrolled in selected 100- or 200-level surveys in the Department of History.

Prerequisite: permission of department.

Contact department for information to register for this course.

HIST310 **History of South Africa**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Formerly: HIST419E.

Explores the roots of Apartheid and the anti-Apartheid movement from precolonial times to the present: the social history of work and identity, the rise of kingdoms (Zulu, Sotho), conquest and colonial administration, urban and rural mass politics, gender relations, and the transition to democracy.

0101	Paul Landau TuTh 12:30pm - 1:45pm	Seats (Total: 30) TLF 1101

HIST319E **Special Topics in History; The Thirty Years' War**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Sabrina Baron	Seats (Total: 38)
	TuTh 11:00am - 12:15pm	ONLINE

HIST319G **Special Topics in History; The Vikings**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Study of the Vikings from their origins in late antique Scandinavia through the Norman conquest, looking at them both as feared pillagers and conquerors in the west and merchant adventurers in the east. Focus on combining textual histories, myth, and archaeology to reconstruct an image of Viking life, motivations, and society.

0101	Christopher Halsted	Seats (Total: 45)
	MW 5:00pm - 6:15pm	ONLINE

HIST319P **Special Topics in History; Ukraine and Russia: Entangled Histories, Clashing Identities**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Formerly offered as HIST429W. Credit only for HIST319P or HIST429W. Interactions and encounters as well as divergences between the processes of Ukrainian and Russian national identity and state formation,in a broader context of East European and Slavic history, from the Middle Ages up to Russia's aggression against Ukraine in 2022.

0101	Mikhail Dolbilov	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	KEY 0116

HIST319X **Special Topics in History; Black Women in Twentieth Century America**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Cross-listed with WGSS379J, AMST498D, and AASP398J. Credit only granted for HIST319X, WGSS379J, AMST498D, or AASP398J. Traces twentieth-century United States history from the perspective of Black women. We will center their diverse voices and experiences as we explore themes including family, work, activism, and cultural expression.

0101	Leigh Soares	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TLF 1103

HIST328O **Selected Topics in History; Inventing the New World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

From Columbus to the Amazons, El Dorado and the cannibals. Explores how sixteenth-century Europeans tried to make sense of their discovery of the Americas. Emphasis on the ways in which the textual and visual representations of native peoples and their cultures by explorers, conquistadors, mapmakers and missionaries contributed to development of European colonialism.

0101	Alejandro Caneque	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	KEY 0100

HIST329A **Special Topics in History; Britain in the Age of Bridgerton**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Period dramas like Bridgerton and Jane Austen adaptations often present a fantasy of the late Georgian and Regency period; this course will explore the social, political and cultural realities, from slavery in the sugar colonies and Parliamentary politics to the history of fashion and sexuality. We will also examine how 21st century popular culture uses this period in history to promote a certain version of "Britishness" andr omanticize the past for profit.

0101	Julie Taddeo	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TLF 1101

HIST329F **Special Topics in History; Religious and Political Transformations in Modern Jewish History**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Cross-listed with JWST319V. Credit will be only granted for JWST319V or HIST329F. Analysis of the social, cultural, and political forces that led to the emancipation of the Jews?the granting to them of equal rights with all other inhabitants of the countries in which they lived?and the integrationof a once-detested ethnic-religious group into European society. The f ocus of the course will be Europe, where most Jews lived in the period between 1650 and 1870.

0101	Marsha Rozenblit	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TLF 1103

HIST329O **Special Topics in History; Ideologies, Parties, and Social Movements in the Modern Middle East**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Focuses on the emergence and evolution of political and social movements in Middle Eastern countries since the second half of the 19th century. Orientations spanned from left wing radicalism, communism, to political Islam and right-wing nationalism.

0101	Peter Wien	Seats (Total: 30)
	Tu 9:30am - 10:45am Class time/details on ELMs	KEY 0100 ONLINE

HIST338E **Special Topics in History; Understanding Modern Japan: 1600-Present**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Thematic exploration of a topic in history.

Japan's encounter with Europe and emergence as a modern state, industrial society, and world power; and Japanese imperialism, "15-year war," and the Allied/US occupation of Japan and Okinawa.

0101	Deokhyo Choi	Seats (Total: 30)
	MW 3:30pm - 4:45pm	KEY 0126

HIST338F **Special Topics in History; What Does Government Do?: Rethinking American Political History**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Thematic exploration of a topic in history.

What does the U.S. government do and why is there so much disagreement about its responsibilities and influence? How have Americans drawn distinctions between private interest and the public purpose in the modern era? To answer these questions we will examine conflicts over policy, protest, civil rights, inequality, and a range of American "freedoms," from the Civil War to the present.

0101	David Freund	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TLF 1101

HIST338K **Special Topics in History; (Auto)biography and the Black Atlantic: 1700-1865**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Thematic exploration of a topic in history.

Examines self-writing (autobiography, memoirs, diaries) as an entry point to the history of the African diaspora in the Americas. Discusses how people of African descent understood and represented themselves, in relation to a changing social and political environment. Analyzes the challenges of writing historical biography and the relationships between biography and history. Students conduct their own biographical research into a Black Atlantic figure of their choice. Cross-listed with AAAS398D. Credit will be only granted AAAS398D or HIST338K.

0101	Michael Becker	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TLF 1103

HIST338L **Special Topics in History; A Hundred Silent Springs: Environmental Justice History in the Americas, 1862-1962**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Thematic exploration of a topic in history.

Cross listed with AMST328Y. Credit only granted for HIST338L or AMST328Y. Through a focus on the history of agrochemicals-fertilizers and pesticides-this course traces the development of industrial agriculture and its impact from 1863 to 1962. Through influential case studies in "pest control" such as, arsenic and cotton, fumigants and fruit trees, and locusts epidemics, this course combines histories of race, abolition, plants, technology, and empire.

0101	Jayson Porter	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	TWS 0207

HIST338M **Special Topics in History; Protest, War, and Change: Europe in the Twentieth Century**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Thematic exploration of a topic in history.

Examines the events and movements that shaped the lives of Europeans in the twentieth century, including the world wars and their aftermath, the rise of fascism and communism, the Holocaust, decolonization, the 1968 uprisings, and the emergence of the European Union. We will emphasize not just what happened, but how ordinary individuals experienced these developments and the ways in which global events influenced daily life and culture.

0101	Caroline Ritter	Seats (Total: 30)
	MW 3:30pm - 4:45pm	KEY 0116

HIST338N **Special Topics in History; Disinformation, Power, and Resistance in the Twentieth Century**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Thematic exploration of a topic in history.

Explores the global history of disinformation as a strategic instrument of political, economic, and ideological control throughout the twentieth century. Long before the rise of digital media, governments, corporations, and media institutions deployed misinformation to shape public perception, suppress dissent, and manufacture consent. Through a series of comparative case studies, students will examine why certain disinformation campaigns proved effective while others failed, and how counter-narratives emerged to challenge dominant myths. Topics include wartime propaganda, Cold War psychological operations, corporate misinformation,and grassroots truth-telling movements. Students will critically analyze themechanisms that enable disinformation to flourish and the conditions under which truth can disrupt entrenched systems of distortion.

0101	Shay Hazkani	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	KEY 0126

HIST339O **Special Topics in History; Elizabeth I of England and Mary Queen of Scots: Between Propaganda and Myth**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Thematic exploration of a topic in history.

Studies the history of Queen Elizabeth I of England and Mary Stuart, Queen of Scots, as well as the propaganda strategies developed during their reigns to shape their public images. We will also examine the literary and artistic representations that, after their deaths, transfigured their histories into dozens of portraits, poems, dramas, operas, novels, and films.

0101	Stefano Villani	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TLF 1103

HIST355 **Civil War and the Rise of Industrialization, 1860-1900**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: HIST355 or HIST364.

Civil War, sectional and class conflicts and their impact on American life and institutions from the beginning of the Civil War through the Gilded Age; social, economic, and political reconstruction of the Union; industrialization, urbanization, and technological changes.

0101	Robert Chiles	Seats (Total: 40)
	TuTh 9:30am - 10:45am	KEY 0116

HIST357 **Recent America: 1945-Present**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

American history from the inauguration of Harry S. Truman to the present with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.

0101	Howard Smead	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 0126

HIST363 **Mobility in History: Planes, Trains, Automobiles**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, DSHU

Credit only granted for: HIST329X or HIST363. Formerly: HIST329X.

From walking, bicycling, riding ships and trains to driving cars and to flying: Humans and their modes of transportation have changed dramatically in history. In this class, students will explore the social, cultural, and environmental aspects of passenger and freight transportation in the 19th and 20th centuries. The focus is on the societal expectations and imaginations that have shaped how humans move about.

0101	Thomas Zeller	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TLF 1103

HIST369F **Special Topics in Study Abroad III; Caesar, Cicero and the Collapse of the Roman Republic**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

HIST381 **The Israeli Settler Movement: The Road to One State?**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

Cross-listed with: JWST332, ISRL344. Credit only granted for: HIST329G, HIST381, ISRL329G, ISRL344, JWST332 or JWST319N. Formerly: JWST319N.

Explores the Israeli settler movement over the last four decades, from its position on the fringes of Israeli society in the 1970s and 1980s to its rise to prominence in Israeli politics today. Topics will include the history of the Israeli settlement project in the West Bank, the emergence of Gush Emunim and its ideological foundations in Jewish messianism, its violent offshoots, and the influence of the settler movement on the Israeli political system. Study of these topics illuminates some of the most important driving forces of modern history such as nationalism, religious fundamentalism, colonialism and the ability of a determined minority to influence a country's policies.

0101	Shay Hazkani	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TYD 1132

HIST382 **Law and Culture in Late Imperial China**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An exploration of Chinese law and its social/cultural implications in the late imperial period (1550s-1900s). Major interpretations of the conceptions of law and justice, the functioning of the judicial system, and local courts. An introduction to society and culture, politics and the bureaucracy, family and gender relations, and literature and popular religion of China through the lens of law.

0101	Ting Zhang	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	KEY 0116

HIST386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of ARHU-History department; and junior standing or higher.

The History Department's Internship program. Pre-professional experience in historical research, analysis, and writing in a variety of work settings.

Contact department for information to register for this course.

HIST395 **Honors Colloquium I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ARHU-History department; and must be in History program.

History and theory: the conceptual underpinnings of the historical discipline. Students evaluate several contrasting theories of history. Prerequisite for other honors courses.

0101	Clare Lyons M 3:30pm - 6:00pm	Seats (Total: 13) TLF 2100

HIST398 **Honors Thesis Directed Study**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Individual research and preparation of History Honors Theses.

Contact department for information to register for this course.

HIST399 **Honors Thesis Senior Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Senior seminar with honors director. Focus on preparation of thesis.

0101	Clare Lyons M 6:00pm - 6:50pm	Seats (Total: 12) TLF 2100

HIST401 **Science and Gender**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVUP

Credit only granted for: HIST401 or HIST429R. Formerly: HIST429R.

Examines the role of women and gender in the history of science. Includes consideration of barriers to women's participation in science; women's role as scientific subjects and researchers; and questions about the scientific construction of gender and the gendered construction of science.

0101	Melinda Baldwin W 10:00am - 12:30pm	Seats (Total: 15) TLF 2100

HIST407 **Technology and Inequality**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, DSHU

How are social inequality and technology related? Have technologies exacerbated social tensions or have they ameliorated them? In the age of climate change, pandemics, and economic transformations, this class looks at technology in history to examine previous transitions in production, infrastructures, computing, and pollution. The emphasis is on the interplay between society and technology in the 19th and 20th centuries.

0101	Thomas Zeller	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	TLF 1103

HIST408D **Senior Seminar; Empire and Nationalism in Russia: A Borderland Perspective**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail | CORE: CS | General Education: DSSP

A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.

Examines empire-building processes under the Romanov dynasty's rule from Peter the Great (r. 1682-1725) through the First World War from the angle of tsarist Russia's multi-ethnic and multi-confessional composition. We will explore how the imperial state dealt with the rise of nationalism in Russia's western, southern, and eastern borderlands.

0101	Mikhail Dolbilov	Seats (Total: 12)
	Th 12:30pm - 3:00pm	TLF 2100

HIST408E **Senior Seminar; The Worlds of Benjamin Franklin**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail | CORE: CS | General Education: DSSP

A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.

An analysis of some of the multiple lives that Franklin led during the eighteenth century. We will gain a greater comprehension of Franklin and of the worlds in which he lived: colonial America, the British Empire, and the independent United States.

0101	Richard Bell	Seats (Total: 12)
	M 2:00pm - 4:30pm	TLF 2108

HIST408O **Senior Seminar; Horror and American History**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail | CORE: CS | General Education: DSSP

A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.

In history and cinema, we tend to love happy endings, but American history from the killing of people presumed to be witches to chattel slavery and war has been consistently marked by horror and terrible events. This research seminar will examine selected case studies of the 'horrible' in U.S. history and explore how this 'horrible' has been represented and 'digested' in American mass-marketed culture.

0101	Saverio Giovacchini	Seats (Total: 12)
	Tu 9:30am - 12:00pm	TLF 2100

HIST408Q **Senior Seminar; Heresy and Inquisition in the Middle Ages**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail | CORE: CS | General Education: DSSP

A capstone course for history majors, designed to increase historical knowledge and the ability to analyze texts and arguments. Topics will focus on the literature of a particular field and primary-source research.

0101	Janna Bianchini	Seats (Total: 12)
	W 10:00am - 12:30pm	TLF 2108

HIST412 **History of Women and Gender in Africa**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: HIST412 or HIST428L. Formerly: HIST428L.

An examination of socio-economic and cultural change in Africa from the dawn of the colonial era in the 19th century to independence in the mid-twentieth century. Major focus on how African women understood and responded to the expansion of European empires, changes in the colonial economy, and impact of westernization and urbanization.

0101	Erin Mosely	Seats (Total: 20)
	W 4:00pm - 5:15pm Class time/details on ELMs	TLF 2103 ONLINE

HIST419C **Special Topics in History; Sex, Gender, and Sexuality in the Islamic World**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Cross-listed with PERS498M, PERS689M, CMLT679D, HIST419C, RELS429B, WGSS498D and WGSS698D. Credit only granted for PERS498M, PERS689M, CMLT679D, HIST419C, RELS429B, WGSS498D or WGSS698D.

0101	Matthew Miller	Seats (Total: 15)
	Th 12:30pm - 3:15pm	JMZ 3106A

HIST419J **Special Topics in History; American Women and the Great Society: Th 1960s and Beyond**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Robyn Muncy TuTh 12:30pm - 1:45pm	Seats (Total: 30) KEY 0100

HIST419N **Special Topics in History; The Unending War: From the Korean War to the Korean Wave**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examines the Korean War and its legacies. The seminar explores how the conflict, often dubbed the "forgotten war," sparked enduring changes to the politics, culture, and economies of the United States and the two Koreas.

0101	Patrick Chung Tu 9:30am - 12:00pm	Seats (Total: 12) TLF 2108

HIST428I **Selected Topics in History; Contentious Historical Memories in/between Korea and Japan**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Deokhyo Choi W 12:00pm - 2:30pm	Seats (Total: 15) TLF 2103

HIST428X **Selected Topics in History; Global Commodity Histories**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Explores the history of global capitalism through case studies of specific commodities, from the expansion of European empires through thecultivation of rice, sugar, and cotton in the 18th-19th c. to the rise of coal and oil energy regimes and mass consumerism in 20th c. nation-states to the new frontiers of commodifying bodies and data in the early 21st c.

0101	Mircea Raianu Tu 6:00pm - 8:30pm	Seats (Total: 8) TLF 2100

HIST429K **Special Topics in History; From Colonization to Decolonization in North Africa, 1830-1962**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

0101	Peter Wien Tu 3:30pm - 6:00pm	Seats (Total: 10) TLF 2100

HIST429M **Special Topics in History; Constructing the Past in Early Islam**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examines the emergence and subsequent development of the writing of history, as well as the competition for control over the past during the first few centuries of Islam.

0101	Antoine Borrut	Seats (Total: 10)
	W 3:30pm - 6:00pm	TLF 2108

HIST429O **Special Topics in History; Righting Historical Wrongs: Global Struggles for Truth and Justice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Explores the diverse approaches that societies around the world have adopted to investigate, adjudicate, acknowledge, or otherwise atone for a wide range of historical injustices: colonial violence, apartheid, sexual atrocities committed during war, gross human rights violations carried out by dictatorial regimes, and genocide. Global case studies with an emphasis on non-US examples.

0101	Erin Mosely	Seats (Total: 15)
	Th 9:30am - 12:00pm	TLF 2100

HIST429Z **Special Topics in History; American Money: Rethinking Finance and its History**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Standard macroeconomic treatments of money and finance cannot be supported by the historical record. While most textbooks say otherwise, money has its origins in credit instruments, and meanwhile its value and uses are inseparable from the public authority that issues it. We will briefly revisit that well-documented history and debates among scholars about money's origins and nature. Then we'll look at case studies--from the colonial period to the present (from the issue of the first paper bills to Bitcoin)--to examine money's role in shaping American development.

0101	David Freund	Seats (Total: 15)
	Th 9:30am - 12:00pm	TLF 2108

HIST444 **America in the 1960s**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: HIST319V or HIST444. Formerly: HIST319V.

Celebrated and vilified, the years between 1960 and 1970 represented a watershed in twentieth-century American history. Although history rarely falls neatly within 10-year divisions, the 1960s - as both historical era and historical idea - witnessed enormous political, social, and cultural changes. This course will examine the seminal events, actors, and movements that continue to shape our nation.

0101	Katarina Keane	Seats (Total: 30)
	MW 3:30pm - 4:45pm	TLF 1101

HIST454 **Constitutional History of the United States: From Colonial Origins to 1865**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The interaction of government, law, and politics in the constitutional system. The nature and purpose of constitutions and constitutionalism; the relationship between the constitution and social forces and influences, the way in which constitutional principles, rules, ideas, and institutions affect events and are in turn affected by events. The origins of American politics and constitutionalism through the Constitutional Convention of 1787. Major constitutional problems such as the origins of judicial review, democratization of government, slavery in the territories, secession, and civil war.

0101	Michael Ross	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	TWS 0205

HIST466 **Immigration and Ethnicity in the U.S.**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: AAST498L or HIST466.

Seminar exploring historical problems relating to US immigration, race, and ethnicity since 1848, with emphasis on cultural impacts of migration on immigrants, their children, and U.S. society.

0101	Robert Chiles	Seats (Total: 20)
	Th 2:00pm - 4:30pm	TLF 2103

HIST481 **A History of Modern China**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Modern China from 1644 to the People's Republic of China. Emphasis on the coming of the West to China and the various stages of the Chinese reaction.

Contact department for information to register for this course.

HIST499 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: permission of department.

Contact department for information to register for this course.

HIST601 **History and Contemporary Theory**

Credits: 3 Grading Method: Regular, Audit

An introduction to contemporary theories in philosophy, literary criticism, cultural studies, anthropology, and other fields; and analysis of their usefulness to historians.

0101	Bernard Cooperman Th 6:00pm - 8:30pm	Seats (Total: 15) TLF 2100

HIST607 **The Teaching of History in Institutions of Higher Learning**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

0101	Saverio Giovacchini Contact instructor or department for details.	Seats (Total: 15)
0201	Mircea Raianu Contact instructor or department for details.	Seats (Total: 6)

HIST608A **General Seminar; American History**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

General seminar in student's major field of study (e.g., U.S.; Women and Gender; International, World, and Comparative; Science and Technology; Latin America) exploring the concentration's major issues, topics, and literature.

Prerequisite: permission of department.

0101	Holly Brewer W 6:00pm - 8:30pm	Seats (Total: 12) TLF 2100

HIST608C **General Seminar; European History**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

General seminar in student's major field of study (e.g., U.S.; Women and Gender; International, World, and Comparative; Science and Technology; Latin America) exploring the concentration's major issues, topics, and literature.

0101	Piotr H Kosicki W 6:00pm - 8:30pm	Seats (Total: 12) ONLINE

HIST608N **General Seminar; Global Interaction and Exchange**

Credits: 3 Grading Method: Regular, Audit

General seminar in student's major field of study (e.g., U.S.; Women and Gender; International, World, and Comparative; Science and Technology; Latin America) exploring the concentration's major issues, topics, and literature.

0101	Julie Greene W 3:30pm - 6:00pm	Seats (Total: 12) TLF 2100

HIST610 **Introduction to Museum Scholarship**

Credits: 3 Grading Method: Regular, Audit

Cross-listed with: AMST655, ANTH655, INST653. Credit only granted for: AMST655, ANTH655, HIST610, INST728T or INST653.

Provides students a basic understanding of museums as cultural and intellectual institutions. Topics include the historical development of museums, museums as resources for scholarly study, and the museum exhibition as medium for presentation of scholarship.

0201	Diana Marsh	Seats (Total: 30)
	Th 2:00pm - 4:40pm	HJP 2217

HIST619A **Special Topics in History; Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619B **Special Topics in History; Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619E **Special Topics in History; From Colonization to Decolonization in North Africa, 1830-1962**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

0101	Peter Wien	Seats (Total: 5)
	Tu 3:30pm - 6:00pm	TLF 2100

HIST619G **Special Topics in History; Slavery, Freedom, and Citizenship: Readings in Nineteenth Century United States**

Credits: 1-3 Grading Method: Regular, Audit

Surveying the nineteenth century with a focus on African American experiences. Examines key transformations in Black life and in the broader legal, economic, and social structures of the United States.

0101	Christopher Bonner	Seats (Total: 12)
	M 3:30pm - 6:00pm	TLF 2103

HIST619O **Special Topics in History; Righting Historical Wrongs: Global Struggles for Truth and Justice**

Credits: 3 Grading Method: Regular, Audit

Explores the diverse approaches that societies around the world have adopted to investigate, adjudicate, acknowledge, or otherwise atone for a wide range of historical injustices: colonial violence, apartheid, sexual atrocities committed during war, gross human rights violations carried out by dictatorial regimes, and genocide. Global case studies with an emphasis on non-US examples.

0101	Erin Mosely	Seats (Total: 5)
	Th 9:30am - 12:00pm	TLF 2100

HIST619Q **Special Topics in History; The Unending War: From the Korean War to the Korean Wave**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Examines the Korean War and its legacies. The seminar explores how the conflict, often dubbed the "forgotten war," sparked enduring changes to the politics, culture, and economies of the United States and the two Koreas.

0101	Patrick Chung	Seats (Total: 7)
	Tu 9:30am - 12:00pm	TLF 2108

HIST619R **Special Topics in History; The Civil Rights Movement**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

0101	Elsa Barkley Brown	Seats (Total: 12)
	Tu 3:30pm - 6:00pm	TLF 2108

HIST619Z **Special Topics in History; Ecological Literacy: Environmental Methods in Historical Research**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

How can we use environmental methods to approach storytelling? Today, scholars and writers are adopting ecological analysis to share, interrogate, and even imagine histories that have been hidden by a number of forces, such as colonialism and imperialism, capitalism, whitesupremacy, and our understandings of nature itself. In this course we wrestle with how a wide range of thinkers-from biologists to novelists, historians, geographers, and agronomists-use ecological and historical methods to expand the very nature of storytelling.

0101	Jayson Porter	Seats (Total: 12)
	Th 3:30pm - 6:00pm	TLF 2100

HIST639M **Special Topics in History; Constructing the Past in Early Islam**

Credits: 3 Grading Method: Regular, Audit

Special Topics in History.

Examines the emergence and subsequent development of the writing of history, as well as the competition for control over the past during the first few centuries of Islam.

0101	Antoine Borrut	Seats (Total: 5)
	W 3:30pm - 6:00pm	TLF 2108

HIST639X **Special Topics in History; Global Commodity Histories**

Credits: 3 Grading Method: Regular, Audit

Special Topics in History.

Explores the history of global capitalism through case studies of specific commodities, from the expansion of European empires through the cultivation of rice, sugar, and cotton in the 18th-19th c. to the rise of coal and oil energy regimes and mass consumerism in 20th c. nation-states to the new frontiers of commodifying bodies and data in the early 21st c.

0101	Mircea Raianu	Seats (Total: 12)
	Tu 6:00pm - 8:30pm	TLF 2100

HIST708 **Directed Independent Reading for Comprehensive Examinations I**

Credits: 1-4 Grading Method: Sat-Fail

Directed reading in preparation for Doctoral Comprehensive Examinations. In consultation with their advisors, students will select a number of books and articles from an approved list. Grading for the course will reflect performance on the written and oral sections of the Comprehensive Examinations.

Contact department for information to register for this course.

HIST709 **Directed Independent Reading for Comprehensive Examinations II**

Credits: 1-4 Grading Method: Sat-Fail

Directed reading in preparation for Doctoral Comprehensive Examinations. In consultation with their advisors, students will select a number of books and articles from an approved list. Grading for the course will reflect performance on the written and oral sections of the Comprehensive Examinations.

Contact department for information to register for this course.

HIST799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

HIST811 **Museum Scholarship Practicum**

(Perm req)

Credits: 3-6 Grading Method: Regular

Prerequisite: AMST856, ANTH856, or HIST810. Restriction: Permission of Museum Scholarship Program required. Cross-listed with: AMST857, ANTH857, INST787. Credit only granted for: AMST857, ANTH857, HIST811, INST728I or INST787.

Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

IM01	Paul Jaeger	Seats (Total: 12)
	Contact instructor or department for details.	

HIST819A **Special Topics in History: Independent Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Individual graduate research in an area not covered by current seminar offerings. The product will be a finished research paper normally based on original materials.

Department permission required.

Contact department for information to register for this course.

HIST819B **Special Topics in History: Independent Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Individual graduate research in an area not covered by current seminar offerings. The product will be a finished research paper normally based on original materials.

Department permission required.

Contact department for information to register for this course.

HIST819M **Special Topics in History: Independent Research; United States History: Reconstruction to Present**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Individual graduate research in an area not covered by current seminar offerings. The product will be a finished research paper normally based on original materials.

0101	Robyn Muncy	Seats (Total: 12)
	Th 3:30pm - 6:00pm	TLF 2108

HIST898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

HIST899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

HLSA Health Services Administration Fall 2025

HLSA300 **Introduction to Health Policy and Services**

Credits: 3 Grading Method: Regular

Prerequisite: Must have completed or be concurrently enrolled in SPHL100 or PHSC300. Restriction: Must be in Public Health Science program; and must have earned a minimum of 60 credits. Credit only granted for: SPHL498P or HLSA300. Formerly: SPHL498P.

A multidimensional view of public health policy and services. Through interactive discussion of assigned readings, team-based learning, and supplementary lecture, students will learn about the nature of and development of policy, public health policy, and financing and delivery of health care services. This course will place a significant emphasis on a team-based learning approach to understanding the health care system and health care reform.

0101	Charmaine Ivey Class time/details on ELMs W 11:00am - 11:50am	Seats (Total: 20) ONLINE SPH 0116B	Discussion
	Restricted to College Park students in the Public Health Science major.		
0102	Charmaine Ivey Class time/details on ELMs W 12:00pm - 12:50pm	Seats (Total: 20) ONLINE SPH 0116B	Discussion
	Restricted to College Park students in the Public Health Science major.		
0103	Charmaine Ivey Class time/details on ELMs W 2:00pm - 2:50pm	Seats (Total: 20) ONLINE SPH 0116B	Discussion
	Restricted to College Park students in the Public Health Science major.		
0104	Charmaine Ivey Class time/details on ELMs W 3:00pm - 3:50pm	Seats (Total: 20) ONLINE SPH 0116B	Discussion
	Restricted to College Park students in the Public Health Science major.		
0105	Charmaine Ivey Class time/details on ELMs F 9:00am - 9:50am	Seats (Total: 20) ONLINE SPH 0116B	Discussion
	Restricted to College Park students in the Public Health Science major.		
0106	Charmaine Ivey Class time/details on ELMs F 10:00am - 10:50am	Seats (Total: 20) ONLINE SPH 0116B	Discussion
	Restricted to College Park students in the Public Health Science major.		

0107	Charmaine Ivey	Seats (Total: 20)	
	Class time/details on ELMs F 11:00am - 11:50am	ONLINE SPH 0116B	Discussion
	Restricted to College Park students in the Public Health Science major.		
0108	Charmaine Ivey	Seats (Total: 20)	
	Class time/details on ELMs F 12:00pm - 12:50pm	ONLINE SPH 0116B	Discussion
	Restricted to College Park students in the Public Health Science major.		
ESG1	Negin Fouladi	Seats (Total: 35)	
	M 2:00pm - 4:30pm	BLD3 4211	
	Restricted to Shady Grove students in the Public Health Science major.		

HLSA320 Comparative Global Health Care Delivery Systems

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: C- or higher in GBHL200 and SPHL100. Restriction: Must have earned a minimum of 60 credits.

Compare global health care delivery systems with special emphasis upon relationships among the complex systems impacting human health. Students will engage in project-based learning about the impact of human service systems on a global scale exploring how corporations, multilateral aid, philanthropies, foundations, and private donors affect health and interventions.

0101	Negin Fouladi, Lanna Duarte	Seats (Total: 10)	
	TuTh 9:30am - 10:45am	ATL 1434	
	Restricted to students in the Global Health major.		
0201	Negin Fouladi, Lanna Duarte	Seats (Total: 10)	
	TuTh 9:30am - 10:45am	ATL 1434	
	Restricted to students in a major in the School of Public Health.		

HLSA484 Redesigning Health Care: Developing a Clinic to Meet Community Needs

Credits: 3 Grading Method: Regular

Restriction: Must have completed a minimum of 60 credits. Additional information: Selected class sessions will be on-site at local organizations such as Mona Clinic in Temple Hills, MD, HAIR Network shops in Hyattsville and the Sarvis Empowerment Cafe in Riverdale. The course also requires off-campus work at nearby locations.

Provides an opportunity for students to learn a key entrepreneurial skill, Human Centered Design Thinking, while helping to build, reshape, redesign and transform delivery of health care in the Mona Center, a new community center and clinic in Prince George's County. This new, modern vision for a health and wellness clinic embraces student involvement in designing, planning and contributing to innovative programs, solutions, and processes to improve the clinic's ability to meet community and patient needs by addressing the social determinants of health as well as traditional clinical health status. Students in the class will develop empathy for patients, providers and other stakeholders, define problems, select a specific problem for intervention, understand problems based on stakeholder input, ideate, reframe and suggest options to solve or address the problem, prototype solutions, test ideas, and make recommendations to inform implementation and ongoing measurement and monitoring of impact.

0101	Stephen Thomas F 10:00am - 12:30pm Class time/details on ELMs	Seats (Total: 24) SPH 0308 ONLINE

HLSA601 Introduction to Health Systems

Credits: 3 Grading Method: Regular, Audit

An overview of the U.S. health care system using an interdisciplinary perspective. Students will learn about the financing, delivery, and use of healthcare in a historical, economic, and political context. An emphasis will be given to contemporary policy issues and debates, and there will be a focus on inequality within the U.S. health system.

0102	Michel Boudreaux Tu 4:00pm - 6:45pm	Seats (Total: 60) SPH 1303
PLH1	Negin Fouladi Class time/details on ELMs *Must be in Public Health Practice and Policy, Online. Golden ID students are not eligible for this section.*	Seats (Total: 40) ONLINE
PLP1	Negin Fouladi Class time/details on ELMs *Must be in Health Administration, Online. Golden ID students are not eligible for this section.*	Seats (Total: 30) ONLINE

HLSA611 Introduction to Health Equity

Credits: 3 Grading Method: Regular

The emerging field of health equity is concerned with understanding the causes and consequences of social disparities in population health. This course is designed to expose students to the foundational issues in health equity from a variety of perspectives. Through weekly meetings and discussion, students will develop familiarity with the major literature in the field of health equity. The course is divided into three sections: (1) Understanding & Addressing Health Disparities; (2) Disparity Populations; and (3) Solutions in Health Equity. Students will gain understanding of the dimensions and sources of health inequality, including race/ethnicity, socioeconomic status, gender, nativity, and sexual minority status. Current policy debates and recent policy developments related to health equity are also briefly discussed.

0101	Kellee White Whilby	Seats (Total: 25)
	Th 4:00pm - 6:45pm	SPH 0308

HLSA688 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master or doctoral students who desire to pursue special research problems under the direction of a faculty memeber of the department may register for 1-6 hours of credit under this number.

Contact department for information to register for this course.

HLSA702 **Policy and Politics of Health**

Credits: 3 Grading Method: Regular, Audit

Organizational and financial components of the U.S. health care system, including social and political forces that bind the system. Advanced political analysis of the health care system, including key issues and problems.

Although this is an online course, we will have one required in-person visit to Annapolis, Maryland to visit the state legislature organized by the instructor. In addition, there are three online synchronous Q&A sessions that students should participate in remotely and will be arranged by the instructor.

0101	Charmaine Ivey	Seats (Total: 35)
	Tu 7:00pm - 9:45pm	SPH 0303

HLSA711 **Health Economics and Analysis**

Credits: 3 Grading Method: Regular, Audit

Provides an analysis of health and health care services as economic goods. Using microeconomic theories, we will examine the behavior of health care providers, consumers, markets, and firms.

0101	Nathan Apathy	Seats (Total: 20)
	M 4:00pm - 6:45pm	SPH 0303

HLSA716 **Pharmaceutical Policy and Economics**

Credits: 3

Grading Method: Regular, Audit

Introduces students to policy issues in the pharmaceutical sector and economic frameworks that may be used to design and evaluate relevant policies.

0101	Xuanzi Qin	Seats (Total: 15)
	W 4:00pm - 6:45pm	ATL 1106

HLSA720 Health Law and Ethics

Credits: 3

Grading Method: Regular, Audit

The legal system helps determine the relationships prevailing among individuals, institutions and governments by setting out the rights, duties and powers of the various parties. This course will look at some of the more important concepts the law uses within the context of health services and public health.

0101	Merianne Spencer	Seats (Total: 25)
	W 7:00pm - 9:45pm	ATL 1109

HLSA731 The Social Construction of Health and Health Service Delivery

Credits: 3

Grading Method: Regular, Audit

Prerequisite: HLSA601. Restriction: Must be in a doctoral program; or permission from instructor .

Dedicated to the social processes that shape health, health care seeking, health professions, and health care organizations. Students will learn how key concepts and theories from social epidemiology, medical sociology, organizational behavior, and management theory are integrated and applied to health services research. Readings will include a mix of theoretical and applied papers, and particular attention will also be paid to the research methods, study design, and construct measurement used in theory-informed research. The semester will culminate in a development of a theory-based empirical research proposal.

0101	Mika Hamer	Seats (Total: 10)
	Th 4:00pm - 6:45pm	SPH 0307

HLSA732 The Evolving U.S. Health Care System

Credits: 3

Grading Method: Regular, Audit

Prerequisite: HLSA723. Restriction: Must be in the Health Services Research PhD program; or permission from the instructor.

Conducting policy-relevant health services research requires an in-depth understanding of the United States' evolving health care system. This class will provide an overview of ongoing and emerging challenges in health care financing, delivery, quality, and access. We will use theoretical tools from health services research to understand these trends, their driver, and their impacts.

0101	Rebecca Gourevitch	Seats (Total: 10)
	Tu 4:00pm - 6:45pm	SPH 0301

HLSA742 Quantitative Methods in Healthcare Administration

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Master of Health Administration program.

The goal of this course is to give students the background needed to interpret and critique statistical methods and results encountered in the healthcare administrative field. In addition, this course will help students develop skills to conduct basic statistical analyses, become familiar with advanced functions in Excel, and acquire the ability to recognize, communicate, and answer health services related research questions.

PLP1	Rick Sperling	Seats (Total: 35)
	Class time/details on ELMs	ONLINE
	Must be in Health Administration, Online. Golden ID students are not eligible for this section.	

HLSA745 Public Health Practice and Management

Credits: 3 Grading Method: Regular, Audit

Examines the relationship of practice and management in performing essential public health services on local, state and national levels.

PLH1	Negin Fouladi, Portia Buchongo	Seats (Total: 35)
	Class time/details on ELMs	ONLINE
	Must be in Public Health Practice and Policy, Online. Golden ID students are not eligible for this section.	

HLSA750 Healthcare Management Information Systems

Credits: 3 Grading Method: Regular, Audit

Provides a background and overview of the analysis, design, evaluation, selection, installation, use, and mangement of information systems in health care settings. Students will review the information management function and value of information and the role of information technology in the provision of high quality care and management decision making. Details on computer hardware, software, networking, and telecommunications sufficient for understanding of concepts relevant to health care managers and staff will be addressed.

0501	Melvin Seale Th 7:00pm - 9:45pm	Seats (Total: 20) ONLINE
PLP1	Melvin Seale Class time/details on ELMs *Must be in Health Administration, Online. Golden ID students are not eligible for this section.*	Seats (Total: 35) ONLINE

HLSA765 Dissertation Proposal Development Seminar

Credits: 3 Grading Method: Regular

Recommended: Completed all coursework related to one's dissertation topic; and identified in collaboration with one's dissertation advisor a topic area and potential data set. Restriction: Must be in Health Services Ph.D. (Doctoral) program; or permission of instructor. And must have passed departmental qualifying exam.

Designed to support doctoral students prepare their dissertation proposal and oral presentation. The course is structured around a literature synthesis and development of a modified AHRQ R36 grant application which includes developing a research question and hypotheses, a conceptual model, specific aims, background and significance, and research strategy. The importance of communicating complex ideas through oral and written forms will be emphasized.

0101	Jie Chen Th 4:00pm - 6:45pm	Seats (Total: 15) SPH 0303

HLSA770 Continuous Quality Improvement in Healthcare

Credits: 3 Grading Method: Regular, Audit

Designed for the health care professional or administrator involved in quality assurance in health care. Course includes historical beginnings, state-of-the-art, voluntary, governmental efforts, and tools to promote quality assurance.

0101	Priscilla Novak Tu 7:00pm - 9:45pm	Seats (Total: 20) SPH 0305

PLP1	Lauren Edelstein	Seats (Total: 35)
	Class time/details on ELMs	ONLINE
	Must be in Health Administration, Online. Golden ID students are not eligible for this section.	

HLSA772 **Healthcare Leadership and Communications**

Credits: 3 Grading Method: Regular, Audit

Health care administrators rely on transformational leadership skills and insights to help their organizations rise to the social financial, public health, and technological challenges of the future. Students will assess and develop their leadership strengths, apply key leadership communication principles, and critically analyze relevent leadership models, exploring their utility in addressing key leadership issues in health care organizations. An underlying theme will be the identification of core values involved in health care delivery, integration of those values in personal and organizational missions, and effective communication to stakeholders.

PLH1	Sherry Maykrantz	Seats (Total: 25)
	Class time/details on ELMs	ONLINE
	Must be in Public Health Practice and Policy, Online. Golden ID students are not eligible for this section.	
PLP1	Sherry Maykrantz	Seats (Total: 25)
	Class time/details on ELMs	ONLINE
	Must be in Health Administration, Online. Golden ID students are not eligible for this section.	

HLSA775 **Health Services and Policy Research Methods**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor.

Survey of health services and policy research methods, including conceptualization, measurement, survey sampling, literature review, different research designs, causal inference, data analysis, and interpretation of basic statistics. This is an introductory course in research methods designed for master's students in the School of Public Health.

0101	Dahai Yue	Seats (Total: 25)
	Th 4:00pm - 6:45pm	SPH 1303

HLSA778 **Practical Experience in Public Health**

Credits: 1-4 Grading Method: Regular, Audit

Practical experience providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the experience will depend upon the student's background and career goals.

Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

HLSA786 **Capstone Project in Public Health**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Health Services Administration department.

Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLSA799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

HLSA898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

HLSA899 **Doctoral Dissertation Research**

(Perm req)

Credits: 1-8 Grading Method: Sat-Fail

Contact department for information to register for this course.

HLSC Integrated Life Sciences Fall 2025

HLSC100 **Students in the University: Integrated Life Sciences**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Honors College Integrated Life Sciences program. Credit only granted for: EDCP108O, HLSC100, HONR100, or UNIV100H.

In a small classroom setting, Integrated Life Sciences students learn about academic resources on and off campus.

0101	Jalah Townsend Tu 2:00pm - 3:15pm	Seats (Total: 25) LPA 0100
0102	Jalah Townsend W 2:00pm - 3:15pm	Seats (Total: 25) LPA 0100

0103	Jalah Townsend Th 2:00pm - 3:15pm	Seats (Total: 25) LPA 0100	
0104	Jalah Townsend Tu 12:30pm - 1:45pm	Seats (Total: 25) LPA 0100	

HLSC280 **Integrative and Quantitative Concepts in Biology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: BSCI170. Restriction: Must be in the Honors College Integrated Life Sciences program. Credit only granted for: HLSC208 or HLSC280. Formerly: HLSC208.

Designed for entering students enrolled in the Honors College Integrated Life Sciences (ILS) program, this course uses an active learning approach to emphasize inquiry, critical thinking, quantitative reasoning, and hands-on data analysis. This course will cover a variety of bioinformatic related topics, including genome assembly and scaffolding, sequence alignment algorithms, epigenetics, a bioinformatic examination of the central dogma in molecular biology, gene finding, proteomic analysis, the evolution of molecules, cells and organisms, molecular switches, and biological networks.

0101	Najib El-Sayed MW 9:00am - 9:50am F 8:00am - 9:50am	Seats (Total: 25) ESJ 1202 ONLINE	 Lab
0102	Najib El-Sayed MW 9:00am - 9:50am F 8:00am - 9:50am	Seats (Total: 25) ESJ 1202 PLS 1121	 Lab
0103	Najib El-Sayed MW 9:00am - 9:50am F 1:00pm - 2:50pm	Seats (Total: 25) ESJ 1202 PLS 1121	 Lab
0104	Najib El-Sayed MW 9:00am - 9:50am F 3:00pm - 4:50pm	Seats (Total: 25) ESJ 1202 PLS 1121	 Lab

HLSC329 **Teaching Practicum in the Life Sciences**

(Perm req)

Credits: 1 Grading Method: Regular

A guide and support for the undergraduate teaching assistants (UTAs) in the Integrated Life Sciences (ILS) honors living-learning program. UTAs will develop a greater understanding of teaching and learning in the life sciences, with a focus on the academic values of ILS, by exploring education research and theory, discussing learning strategies and techniques, and reflecting on their practice. Students take this course while serving as a undergraduate teaching assistant in the Integrated Life Sciences courses.

0101	Sabrina Kramer	Seats (Total: 12)	
	TBA	LPA 1125	

HLSC374 **Mathematical Modeling in Biology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH131, MATH136, or MATH141. Cross-listed with: BSCI374. Credit only granted for: BSCI374, BSCI474, or HLSC374. Formerly: BSCI474. Additional information: The HLSC374 version of this course is restricted to students in the Honors College Integrated Life Sciences program.

Students will learn empowering mathematical techniques through the understanding of biological models. Models are chosen from a variety of biological disciplines. Mathematical skills that will be developed along the way include: solving non-linear difference equations, eigenvector analysis, and the implementation of these algorithms as computer models.

(Sponsoring Dept.: BIOL) Applies as an upper-level laboratory course to Biological Sciences Specialization Areas: CEBG, ECEV, GENB, and PHNB. Students must pay a $40.00 laboratory materials fee.

0101	Jonathan Simon	Seats (Total: 5)	
	TuTh 9:30am - 10:45am	JMP 1202	
	M 1:00pm - 3:50pm	JMP 1202	Lab

HLTH Health Fall 2025

HLTH124 **Introduction to Behavioral and Community Health**

Credits: 1 Grading Method: Regular, Audit

Restriction: Must be in a major within the SPHL-Behavioral & Community Health department.

Required of first semester Community Health majors to expose them to introductory-level concepts within the field of behavioral and community health as well as the Community Health degree program. Includes discussion on the delivery of behavioral and community health at the local, state, national, and global levels; career opportunities in the diverse sectors of the community health field; undergraduate programmatic information; and strategies for student success.

0101	M Reynolds	Seats (Total: 40)	
	Meets September 9, 2025 - October 27, 2025		
	M 1:00pm - 1:50pm	SPH 1302	
	Class time/details on ELMs	ONLINE	

HLTH140 **Personal and Community Health**

Credits: 3 Grading Method: Regular, Audit

Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

Cross-listed with HLTH140H. Credit granted for HLTH140 or HLTH140H.

0101	Bryan Shannon MW 2:00pm - 3:15pm	Seats (Total: 150) ESJ 2208

HLTH140H **Personal and Community Health**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

Cross-listed with HLTH140. Credit granted for HLTH140 or HLTH140H.

0101	Bryan Shannon MW 2:00pm - 3:15pm	Seats (Total: 150) ESJ 2208

HLTH200 **Introduction to Research in Community Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within the SPHL-Behavioral and Community Health department; or enrolled in the Social Data Science Public Health Track .

An overview of specific components and steps involved in the community health research process. Content includes, foundations of research, sampling, measurement design, and analysis in a community context.

0101	Dina Borzekowski MWF 2:00pm - 2:50pm	Seats (Total: 40) CCC 1200

HLTH212 **Unraveling the Human Body: Anatomy and Physiology from a Public Health Perspective**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail, Audit General Education: DSNS

Prerequisite: BSCI170, BSCI171, and HLTH140. Restriction: Must be in the Public Health Practice program. Credit only granted for: BSCI201 or HLTH212.

Focuses on human structure and function and provides a foundation for public health professionals by equipping them with an integrated understanding of the dynamic human body, its various biological processes, and associated diseases. The course begins at the simplest level of cellular organization and progresses to tissues, organs, and organ systems. Specific body systems covered include Cardiovascular, Respiratory, Endocrine, Nervous, Digestive, Male and Female Reproductive, Musculoskeletal, Skeletal, and Immune. The complementary structure and function of the healthy body is highlighted as its systems work together to maintain a constant homeostatic environment. Clinical examples are provided to help the student understand the disease process as a disruption of normal structure and function. This will allow them to communicate to various audiences how disease functions within the human body as well as discuss lifestyle factors that are associated with disease onset and progression.

PRE-REQs: BSCI 170, BSCI 171, and HLTH140 RESTRICTIONS: For students in the Department of Behavioral and Community Health ONLY or permission the department.

0101	James Butler	Seats (Total: 50)	
	MW 9:00am - 10:15am F 10:00am - 10:50am	KEY 0103 VMH 1203	Discussion

HLTH230 **Introduction to Health Behavior**

Credits: 3 | Grading Method: Regular, Audit | CORE: SB | General Education: DSHS

Psychological, social psychological, and sociological approaches to the following health areas: development of health attitudes and behavior, patient-provider interaction and the organization of health care.

Restricted to Majors or non-majors with less than or equal to 45 credits.

0101	Craig Fryer	Seats (Total: 70)
	Tu 9:30am - 10:45am Th 9:30am - 10:45am	SPH 1303 SPH 1303

HLTH234 **Global Health Messages: Understanding Exposure & Impact**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVCC, SCIS

Restriction: Must not be in the Community Health program.

Using a global perspective, this course teaches students to be critical consumers of current and historical health communication interventions. It also provides students with the skills to develop media interventions that target specific and general populations. Students will discover the array of diverse media messages that influence the health and well-being of individuals and communities.

0101	Dina Borzekowski	Seats (Total: 40)
	MWF 10:00am - 10:50am	SPH 1302

HLTH234H **Global Health Messages: Understanding Exposure & Impact**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVCC, SCIS

Restriction: Must not be in the Community Health program.

Using a global perspective, this course teaches students to be critical consumers of current and historical health communication interventions. It also provides students with the skills to develop media interventions that target specific and general populations. Students will discover the array of diverse media messages that influence the health and well-being of individuals and communities.

0101	Dina Borzekowski	Seats (Total: 4)
	MWF 10:00am - 10:50am	SPH 1302

HLTH285 **Controlling Stress and Tension**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: IE | General Education: DSHS

Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.

0101	M Reynolds	Seats (Total: 100)
	TuTh 12:30pm - 1:45pm	SPH 1312

HLTH285H **Controlling Stress and Tension**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: IE | General Education: DSHS

Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.

0101	M Reynolds	Seats (Total: 100)
	TuTh 12:30pm - 1:45pm	SPH 1312

HLTH289 **Topical Investigations**

(Perm req)

Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit

Independent study by an individual student or an experimental course in special areas of knowledge not covered by regularly scheduled courses.

Contact department for information to register for this course.

HLTH292 **Community Health Engagement**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Restriction: Must not be in Public Health Practice program.

An exploration and application of basic community health concepts. An integral part of the course is service learning, that includes evaluating, planning and implementing a community health program with a local community partner.

0101	Hector Alcala	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	SPH 1302

HLTH302 **Methods of Community Health Assessment**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in HLTH200 and EPIB301. Restriction: Must be in a major within the SPHL-Behavioral and Community Health Department.

Examination of research and evaluation tools that can be applied to community health promotion. Includes the application of qualitative research methods, community needs and strengths assessments, asset mapping, and monitoring and evaluating process, outcome and impact evaluation.

0101	Kirsten Stoebenau	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SPH 1301

HLTH302H **Methods of Community Health Assessment**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in HLTH200 and EPIB301. Restriction: Must be in a major within the SPHL-Behavioral and Community Health Department.

Examination of research and evaluation tools that can be applied to community health promotion. Includes the application of qualitative research methods, community needs and strengths assessments, asset mapping, and monitoring and evaluating process, outcome and impact evaluation.

0101	Kirsten Stoebenau	Seats (Total: 5)
	TuTh 9:30am - 10:45am	SPH 1301

HLTH306 **Macro Level Influences on Community Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in HLTH124. Restriction: Must be in a major within the SPHL-Behavioral & Community Health department.

An examination of the effects and influences of policy decisions at the local, state and national levels on community health delivery. Historical and contemporary policy issues will be included with a focus on how the policies have impacted community organizations and the overall health of communities.

0101	Sharifah Holder	Seats (Total: 35)
	Tu 12:30pm - 1:45pm	SPH 0308
	Th 12:30pm - 1:45pm	SPH 0308

HLTH306H **Macro Level Influences on Community Health**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in HLTH124. Restriction: Must be in a major within the SPHL-Behavioral & Community Health department.

An examination of the effects and influences of policy decisions at the local, state and national levels on community health delivery. Historical and contemporary policy issues will be included with a focus on how the policies have impacted community organizations and the overall health of communities.

0101	Sharifah Holder	Seats (Total: 5)
	Tu 12:30pm - 1:45pm	SPH 0308
	Th 12:30pm - 1:45pm	SPH 0308

HLTH364 **Social Media & Digital Tools for Community & Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Completion of HLTH230 with a C- or higher. Restriction: Must be in a major within the SPHL-Behavioral and Community Health department; Restricted to majors who entered the program in Fall 2018 or later.

Examination of the characteristics and uses of media platforms and digital technologies to expand the capability to identify and reduce community and public health risks at all levels of prevention. Also considered will be the potential threats these new media can play on individual choice, privacy, confidentiality, and social influence -- which themselves can pose health threats to community and public health.

0101	Sandra Saperstein	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	SPH 0302

HLTH364H **Social Media & Digital Tools for Community & Public Health**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Completion of HLTH230 with a C- or higher. Restriction: Must be in a major within the SPHL-Behavioral and Community Health department; Restricted to majors who entered the program in Fall 2018 or later.

Examination of the characteristics and uses of media platforms and digital technologies to expand the capability to identify and reduce community and public health risks at all levels of prevention. Also considered will be the potential threats these new media can play on individual choice, privacy, confidentiality, and social influence -- which themselves can pose health threats to community and public health.

0101	Sandra Saperstein TuTh 2:00pm - 3:15pm	Seats (Total: 5) SPH 0302	

HLTH366 **Behavioral and Community Issues in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: HLTH130, HLTH230, PSYC100, SOCY100, SOCY105, or ANTH260. Restriction: Must be in Public Health Science program; or permission of SPHL-Behavioral & Community Health department. And must have earned a minimum of 45 credits. Additional information: This course will initially be restricted to Public Health Science (PHSC) majors, but could ultimately be opened to other majors, particularly those in HLTH.

The exploration of how social and behavioral science theories and public health concepts and methods can be applied to both the health-illness experience and community interventions.

0101	Evelyn King-Marshall MW 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 24) ASY 2203 SPH 0121	Discussion
	Restricted to Public Health Science students at College Park.		
0102	Evelyn King-Marshall MW 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 24) ASY 2203 SPH 0121	Discussion
	Restricted to Public Health Science students at College Park.		
0103	Evelyn King-Marshall MW 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 24) ASY 2203 SPH 0121	Discussion
	Restricted to Public Health Science students at College Park.		
0104	Evelyn King-Marshall MW 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 24) ASY 2203 SPH 0121	Discussion
	Restricted to Public Health Science students at College Park.		

0105	Evelyn King-Marshall MW 2:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 24) ASY 2203 SPH 0121	Discussion
	Restricted to Public Health Science students at College Park.		
0106	Evelyn King-Marshall MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 24) ASY 2203 SPH 0121	Discussion
	Restricted to Public Health Science students at College Park.		

HLTH377 **Human Sexuality**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.

Cross-listed with HLTH377H. Credit granted for HLTH377 or HLTH377H.

0101	Jenna Messman Class time/details on ELMs	Seats (Total: 200) ONLINE	
ESG1	Jenna Messman Class time/details on ELMs	Seats (Total: 20) ONLINE	
	Restricted to students in the Public Health Science Program at USG.		

HLTH377H **Human Sexuality**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.

Cross-listed with HLTH377. Credit granted for HLTH377 or HLTH377H.

0101	Jenna Messman Class time/details on ELMs	Seats (Total: 200) ONLINE	

HLTH386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of SPHL-Behavioral & Community Health department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

HLTH389 **Independent Study in Public Health Practice**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Independent study by an individual student.

Contact department for information to register for this course.

HLTH391 **Making a Difference: Applying Community Health**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: SPHL100, HLTH124, HLTH140, HLTH200, HLTH230, EPIB301, EPIB315, BSCI170, BSCI201, and HLTH302. Students must have completed or be concurrently enrolled in HLTH364. Corequisite: HLTH490. Restriction: Must be in a major within the SPHL-Behavioral and Community Health department.

The exploration and application of community health concepts including theoretical models, advocacy, cultural competency, asset mapping, and needs assessment. Includes planning, implementing and evaluating a community health program with a designated community partner.

0101	James Butler	Seats (Total: 45)
	MW 11:00am - 12:15pm	SPH 0308

HLTH391H **Making a Difference: Applying Community Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: SPHL100, HLTH124, HLTH140, HLTH200, HLTH230, EPIB301, EPIB315, BSCI170, BSCI201, and HLTH302. Students must have completed or be concurrently enrolled in HLTH364. Corequisite: HLTH490. Restriction: Must be in a major within the SPHL-Behavioral and Community Health department.

The exploration and application of community health concepts including theoretical models, advocacy, cultural competency, asset mapping, and needs assessment. Includes planning, implementing and evaluating a community health program with a designated community partner.

0101	James Butler	Seats (Total: 3)
	MW 11:00am - 12:15pm	SPH 0308

HLTH399 **Community Health Field Work**

(Perm req)

Credits: 1-6 Grading Method: Regular

Students will gain practical experience under conditions conducive to educational and professional development. The internship is a supervised period of community/public health activities, carried out in a relevant professional organization, that emphasizes the application of theory and previous coursework.

Contact department for information to register for this course.

HLTH410 **Honors Seminar**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: HLTH200; and must have completed 2 other courses in HLTH. Restriction: Minimum cumulative GPA of 3.5; and must have completed 45 credits before applying.

Undergraduate majors with a strong academic record are provided the opportunity to engage in challenging educational experiences related to the social and behavioral aspects of public health. Students will learn the skills and knowledge to develop, propose, defend, and complete an honors thesis or honors project.

0101	Kirsten Stoebenau W 12:30pm - 2:50pm Class time/details on ELMs	Seats (Total: 12) SPH 1302 ONLINE

HLTH420 **Effective Strategies for Public Health Practice**

(Perm req)

Credits: 3 Grading Method: Regular, Audit General Education: FSOC

Prerequisite: Minimum grade of C- in HLTH140 and HLTH230; and must have completed with a minimum grade of C- or be concurrently enrolled in HLTH212. Restriction: Must be in the Public Health Practice program.

The purpose of this course is to present the interrelationships of curriculum planning, methodology and the selection and use of successful public health presentation strategies. Special problems associated with public health presentations are discussed, and students become familiar with a variety of resources as well as with planning for and implementing demonstration presentations.

0101	M Reynolds TuTh 9:30am - 10:45am	Seats (Total: 23) SPH 0303
0201	M Reynolds TuTh 11:00am - 12:15pm	Seats (Total: 23) SPH 0303

HLTH431 **Health Literacy in Action**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: HLTH 371; or equivalent. Repeatable to 0 credit. Credit only granted for: HLTH431 or HLTH498L. Formerly: HLTH498L.

This course introduces the concept of health literacy and develops the knowledge and skills to understand the field and engage productively about health literacy with healthcare providers, systems, and policy makers. The class explores diverse perspectives about health information and communication, and different pathways and strategies to help create the conditions for more informed and engaged individuals and communities.

0101	Catherine Maybury TuTh 3:30pm - 4:45pm	Seats (Total: 10) SPH 0302
	Restricted to students in the Behavioral and Community Health major.	
0201	Catherine Maybury TuTh 3:30pm - 4:45pm	Seats (Total: 25) SPH 0302
	Restricted to College Park students in the Public Health Science major.	

HLTH431H **Health Literacy in Action**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: HLTH 371; or equivalent. Repeatable to 0 credit. Credit only granted for: HLTH431 or HLTH498L. Formerly: HLTH498L.

This course introduces the concept of health literacy and develops the knowledge and skills to understand the field and engage productively about health literacy with healthcare providers, systems, and policy makers. The class explores diverse perspectives about health information and communication, and different pathways and strategies to help create the conditions for more informed and engaged individuals and communities.

0101	Catherine Maybury TuTh 3:30pm - 4:45pm	Seats (Total: 5) SPH 0302

HLTH489 **Field Laboratory Projects**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

A course designed to meet the needs of persons in the field with respect to workshop and research projects in special areas of knowledge not covered by regularly structured courses.

Contact department for information to register for this course.

HLTH490 **Professional Preparation in Community Health**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in EPIB301, EPIB315, SPHL100, HLTH124, HLTH140, HLTH200, HLTH230, HLTH302, BSCI170, BSCI171, and BSCI201; and students must have completed or be concurrently enrolled in HLTH364. Corequisite: HLTH391. Restriction: Must be in a major within the Behavioral and Community Health department.

The development of skills necessary for joining the public health work force post-graduation, as well as assistance in obtaining an appropriate internship that will serve as a final semester, capstone experience. Students will be exposed to various relevant professional experiences, and will be afforded the opportunity to strengthen their own individual skills by selecting from a menu of skills-based learning modules that best suit their perceived needs.

0101	Jennifer Hodgson TuTh 9:30am - 10:45am	Seats (Total: 16) SPH 0305
0201	Jennifer Hodgson TuTh 11:00am - 12:15pm	Seats (Total: 16) SPH 0305

HLTH490H **Professional Preparation in Community Health**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in EPIB301, EPIB315, SPHL100, HLTH124, HLTH140, HLTH200, HLTH230, HLTH302, BSCI170, BSCI171, and BSCI201; and students must have completed or be concurrently enrolled in HLTH364. Corequisite: HLTH391. Restriction: Must be in a major within the Behavioral and Community Health department.

The development of skills necessary for joining the public health work force post-graduation, as well as assistance in obtaining an appropriate internship that will serve as a final semester, capstone experience. Students will be exposed to various relevant professional experiences, and will be afforded the opportunity to strengthen their own individual skills by selecting from a menu of skills-based learning modules that best suit their perceived needs.

0101	Jennifer Hodgson TuTh 9:30am - 10:45am	Seats (Total: 3) SPH 0305
0201	Jennifer Hodgson TuTh 11:00am - 12:15pm	Seats (Total: 3) SPH 0305

HLTH491 **Community Health Internship**

(Perm req)

Credits: 12 Grading Method: Regular

Prerequisite: Minimum grade of C- in HLTH 391 and HLTH490; all other program requirements must be completed. Restriction: Must have completed all program requirements and be in the last semester of the Public Health Practice degree program.

Integrating theory with practice in a community health setting.

0101	Tracy Kennedy Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 40)

HLTH492 **BS/MPH Community Health Internship**

Credits: 9 Grading Method: Regular

Prerequisite: Minimum grade of C- in HLTH490. Restriction: Must be a Public Health Practice major who has been admitted to the combined BS/MPH degree program.

Integrating theory with practice in a community health setting.

0101	Tracy Kennedy	Seats (Total: 10)
	Contact instructor or department for details.	

HLTH609 **Public Health Journal Club**

Credits: 1 Grading Method: Regular, Audit

Includes discussion of recent literature from leading peer-reviewed journals on a specific psychosocial construct and health outcome, with students presenting two articles during the semester. The purpose of this course is to read and consider health constructs and outcomes from a multidisciplinary perspective.

0101	Cynthia Baur	Seats (Total: 15)
	W 2:00pm - 2:50pm	SPH 0307

HLTH653 **Quantitative Research Methods II in Public Health**

Credits: 3 Grading Method: Regular, Sat-Fail

Prerequisite: HLTH652. Restriction: Must be in a major within SPHL-Behavioral & Community Health department. Credit only granted for: HLTH653 or HLTH688T. Formerly: HLTH688T.

Intermediate and advanced statistics and procedures in health-related research for doctoral students with the focus on applications of these statistical methodological methods to public health research.

0101	Ebbie Kalan	Seats (Total: 10)
	Th 4:00pm - 6:45pm	SPH 1242

HLTH672 **Public Health Informatics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Instructor permission is required for students not enrolled in a degree seeking program in the School of Public Health. Cross-listed with: EPIB672. Credit only granted for: HLTH670 or HLTH672 or EPIB672. Formerly: HLTH670.

A basic overview of Informatics and its application in a public health setting. The major goal is for students to understand the basic tools and building blocks needed to utilize this technology in order to improve their professional productivity

0101	Sandra Saperstein Tu 7:00pm - 9:45pm	Seats (Total: 25) SPH 1301
PLB1	Ariel Balaban Class time/details on ELMs	Seats (Total: 25) ONLINE

Must be in Behavioral and Community Health, Online. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.

HLTH674 **Health Literacy**

Credits: 3 Grading Method: Regular, Audit

Recommended: Health communication, communication, journalism, literacy, or cognitive or information sciences classes. Credit only granted for: HLTH688L or HLTH674. Formerly: HLTH688L.

Introduction to health literacy research, practice, and skills. The course will develop students' understanding of how health literacy is both a barrier and an asset for health. We will also examine how health literacy affects a wide range of outcomes. Students will learn the basics of health literacy concepts, models, and research methods, and discuss health literacy research and evaluation in clinical, public health, and community settings. Students will study key health topics, populations, and contexts for health literacy research and practice. The course will describe professional skills necessary for effective public health communication practice and provide opportunities to practice the skills. The implications of research for public health practice, policy, and consumer/patient interventions and behavior will be integrated so that public health practitioners and researchers are prepared to address health literacy in their future work.

0101	Cynthia Baur W 4:00pm - 6:45pm	Seats (Total: 25) ATL 2428

HLTH688 **Special Problems in Health Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Contact department for information to register for this course.

HLTH710 **Methods and Techniques of Research**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

0101	Elaine Doherty M 4:00pm - 6:45pm	Seats (Total: 25) SPH 0305

PLB1	Elaine Doherty	Seats (Total: 16)
	Class time/details on ELMs	ONLINE
	Must be in Behavioral and Community Health, Online. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

HLTH712 **Applied Research Methods in Behavioral and Community Health**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: HLTH710.

Designed to build on the research skills obtained in HLTH710 and other fundamental research methods and statistics courses. Methods and problems that are commonly encountered in health education research will be discussed including examination of actual research studies. Complex behavioral research issues will be addressed with existing research data sets. With these data sets, students will develop an analytic plan and conduct data analysis.

0101	Hector Alcala	Seats (Total: 10)
	M 4:00pm - 6:45pm	SPH 0301

HLTH778 **Practical Experience in Public Health**

Credits: 1-4 Grading Method: Regular

Practical Experience seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the practical experience will depend upon the student's background and career goals.

0101	Evelyn King-Marshall	Seats (Total: 10)
	Contact instructor or department for details.	
PLB1	Evelyn King-Marshall	Seats (Total: 10)
	Class time/details on ELMs	ONLINE
	Must be in Behavioral and Community Health, Online. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

HLTH780 **Community Health**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Behavioral and Community Health doctoral program (BCHL) or the Master of Public Health Behavioral and Community Health concentration in-person or online program (MBCH or MBCO); and permission of Behavioral and Community Health department. Credit only granted for: HLTH740 or HLTH780.

Overview of public health organizations, programs, and policies, including their structure and function, and their ability to change with changing community health needs.

0101	Meaghan McHugh Tu 4:00pm - 6:45pm	Seats (Total: 25) SPH 0303
PLB1	Meaghan McHugh Class time/details on ELMs	Seats (Total: 15) ONLINE
	Must be in Behavioral and Community Health, Online. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

HLTH784 **Guided Capstone Preparation Seminar**

Credits: 1 Grading Method: Regular

Prerequisite: Must have attended a capstone project orientation session; and must have completed or be concurrently enrolled in HLTH625, HLTH665, and HLTH710.

The purpose of this seminar is to guide students through the major steps and deadlines associated with developing their capstone project, which is the MPH degree culminating experience. The capstone project requires that students apply the knowledge and skills acquired during their MPH program to meet the needs of a stakeholder group or person. Some examples of needs (deliverables) include: an infographic, a website, a curriculum, a lesson plan, an app, an evaluation plan, a policy brief, etc. Some examples of stakeholders: include legislators, non-profit organizations, a faculty researcher, a government (county, state or federal) agency, etc. The project is very applied in nature and the result is a deliverable that can be used immediately by the stakeholder.

0101	Evelyn King-Marshall Th 4:00pm - 5:00pm	Seats (Total: 10) SPH 1234A
PLB1	Evelyn King-Marshall Class time/details on ELMs	Seats (Total: 17) ONLINE
	Must be in Behavioral and Community Health, Online. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

HLTH786 **Capstone Project in Public Health**

(Perm req)

Credits: 2-3 Grading Method: Regular, Audit

Prerequisite: Must have completed all required coursework; and permission of SPHL-Behavioral & Community Health department. Restriction: Must be in a major within SPHL-Behavioral & Community Health department.

Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLTH898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

HLTH899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

HNUH University Honors Fall 2025

HNUH100 **Gateway Seminar**

Credits: 1 Grading Method: Regular

First-semester orientation and exploration seminar required of all UH students.

Restricted to first-semester UH students.

0101	Zev Cossin Tu 9:30am - 10:45am	Seats (Total: 20) YDH 0104A
0102	Zev Cossin Tu 11:00am - 12:15pm	Seats (Total: 20) YDH 0104A
0103	Zev Cossin Th 9:30am - 10:45am	Seats (Total: 20) YDH 0104A
0104	Zev Cossin Th 11:00am - 12:15pm	Seats (Total: 20) YDH 0104A
0105	Zev Cossin F 9:00am - 10:15am	Seats (Total: 20) YDH 0104A
0106	Zev Cossin F 12:00pm - 1:15pm	Seats (Total: 20) YDH 0104A
0201	Kimberly Johnson Tu 9:30am - 10:45am	Seats (Total: 20) YDH 0104F
0202	Kimberly Johnson Tu 11:00am - 12:15pm	Seats (Total: 20) YDH 0104F

0203	Kimberly Johnson Th 9:30am - 10:45am	Seats (Total: 20) YDH 0104F
0204	Kimberly Johnson Th 11:00am - 12:15pm	Seats (Total: 20) YDH 0104F
0205	Kimberly Johnson F 9:00am - 10:15am	Seats (Total: 20) YDH 0104F
0206	Kimberly Johnson F 12:00pm - 1:15pm	Seats (Total: 20) YDH 0104F
0301	Shauna Rigaud Tu 3:30pm - 4:45pm	Seats (Total: 20) YDH 0104A
0302	Shauna Rigaud Tu 5:00pm - 6:15pm	Seats (Total: 20) YDH 0104A
0303	Shauna Rigaud Th 3:30pm - 4:45pm	Seats (Total: 20) YDH 0104A
0304	Shauna Rigaud Th 5:00pm - 6:15pm	Seats (Total: 20) YDH 0104A
0305	Shauna Rigaud F 10:30am - 11:45am	Seats (Total: 20) YDH 0104A
0306	Shauna Rigaud F 1:30pm - 2:45pm	Seats (Total: 20) YDH 0104A
0401	Alena Wigodner Tu 3:30pm - 4:45pm	Seats (Total: 20) YDH 0104F
0402	Alena Wigodner Tu 5:00pm - 6:15pm	Seats (Total: 20) YDH 0104F
0403	Alena Wigodner Th 3:30pm - 4:45pm	Seats (Total: 20) YDH 0104F
0404	Alena Wigodner Th 5:00pm - 6:15pm	Seats (Total: 20) YDH 0104F

0405	Alena Wigodner F 10:30am - 11:45am	Seats (Total: 20) YDH 0104F	
0406	Alena Wigodner F 1:30pm - 2:45pm	Seats (Total: 20) YDH 0104F	
0501	Leigha McReynolds Class time/details on ELMs *Restricted to new UH internal transfer students. For permission to enroll in this class, please email Dario Middleton at Dario@umd.edu.*	Seats (Total: 10) ONLINE	

HNUH218C **Globalizing the American Revolution**

Credits: 3 Grading Method: Regular General Education: DSHS, SCIS

Cross-listed with: HIST223. Credit only granted for: HNUH218C or HIST223.

How is the American Revolution a creation story in the making of our multi-cultural and interconnected modern world? Consider the Declaration of Independence. When first published on July 5, 1776, it was printed by an immigrant Irishman on Dutch paper that had been brought over from England. This was the first such declaration of independence ever issued, but its ideas and forms traveled far and wide. More than 100 other declarations of independence have been issued since then. The people that declaration mobilized are similarly diverse: the American Revolution is as much the story of Creek farmers, Spanish soldiers, French slaves, Canadian fugitives, Indian tea-growers, and African statesmen as it is of the Minutemen and Sons of Liberty. In this globe-trotting class, students will be positioned to debate how the familiar story of the American Revolution changes when we place it in transnational context.

HNUH218C is the required Big Question course in the Butterfly Effects thematic cluster. Butterfly Effects courses will be offered through Spring 2026.

0101	Richard Bell MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 20) TWS 1100 TWS 0223	 Discussion
0102	Richard Bell MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 20) TWS 1100 TWS 0223	 Discussion
0103	Richard Bell MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 20) TWS 1100 TWS 0223	 Discussion

HNUH218R **Stealing from the Poor, Giving to the Rich: The Political Economy of Global Capitalism**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHS, DVUP

Street names and museum exhibits are being renamed in Europe to erase the ghosts of their colonial history. Yet, this speaks of the colonial "era" as the past, when in fact it is very much our present. The economic principle driving colonialism--capitalism--encouraged an insatiable appetite for territorial acquisition, human bondage, and destruction that stole wealth, life, and joy from racialized "others" to fuel European development. We maintain and further these thefts, oppressions, and exploitations through our purchasing habits and justify them through cultural ideas and ignorance. What would it mean to undo these oppressions? What must we understand to begin this process? This course surveys colonial capitalism and its legacies in Sub-Saharan Africa, the Americas, Asia, the Middle East, and North Africa to explore how history informs the present robbing of the Global South for the Global North's development, as well as pathways towards resistance and reconciliation.

HNUH218R is part of the Butterfly Effects thematic cluster and pairs with HNUH218C to complete the cluster. Butterfly Effects courses will beoffered through Spring 2026.

0101	Daniel Zipp TuTh 12:30pm - 1:45pm	Seats (Total: 20) YDH 0104A	
0201	Daniel Zipp TuTh 2:00pm - 3:15pm	Seats (Total: 20) YDH 0104A	

HNUH228C **The Fiction of Fact: Race, Science and Storytelling**

Credits: 3 | Grading Method: Regular | General Education: DSHU, DVUP, SCIS

What is a fact? Science is often viewed as an unbiased, fact-based, analytical discipline. However, throughout history, science has sometimes been the most potent weapon for creating and supporting political fictions and social hierarchies. Not unlike the discipline of the humanities, the sciences practice interpretation: scientists observe behaviors, of subject or objects, and necessarily provide an interpretation of the data. But it is the recourse to the "real" that has made science so powerful in underwriting cultural constructs. Whether we observe how science is manipulated in the public sphere, or how it is practiced for good or ill, it has been used to naturalize hierarchies of race, class or gender. Through a range of materials--fiction, film, visual arts, scientific articles, public humanities and political theses - this course will explore one of the most potent cases of this phenomenon of "scientific" storytelling: the case of race.

HNUH228C is the required Big Question course in the Science & Fiction thematic cluster. Surveillance courses will be offered through Spring 2026.

0101	Kimberly Coles MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 28) EGR 1108 HBK 1112	 Discussion

0102	Kimberly Coles	Seats (Total: 27)	
	MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	EGR 1108 HBK 1112	Discussion

HNUH228O **Liquid Crystals: the Secret of Life**

Credits: 3 Grading Method: Regular

From Superman's Kryptonite to the Star Trek crew spending a lifetime traversing the universe, evidence of space travel has occupied science fiction for ages. Now, we are in a new era: real life is catching up with fiction. Nations have sent extended missions to the Moon and Mars, and recently the OSIRIS-Rex brought rocks and dust from the asteroid 101955 Bennu down to Earth. To understand how real life can catch up with fiction (or cannot), we look at liquid crystals, the substances that are the secret of life itself. Liquid crystals are all around and in us. They are the material used in the displays that surround us - telephones, t.v.s, and computers - and the molecules that make life possible. In short, they are essential to us and to everything else that lives. Through a study of liquid crystals and their phases, students will learn the tools to address such pressing concerns as why extremes of temperature and pressure affect life the way they do, and what we can do about it.

HNUH228O is part of the Science & Fiction thematic cluster and pairs with HNUH228C to complete the cluster. Science & Fiction courses will be offered through Spring 2026.

0101	Luz Martinez-Miranda	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	PHY 2211	

HNUH228R **The Picture of Health and Illness: Modern Medicine in Illustration**

Credits: 3 Grading Method: Regular General Education: DSHU, DVUP

From prehistoric carvings, through King Tut's burial mask and Michelangelo's David, to the Lincoln Memorial and Body Worlds, images have long been used to communicate what people can and should be. After the "Scientific Revolution" in Europe, when identity was increasingly tied to biology, medical illustrations communicated theories of the ideal body and how it should, and should not, look. Doctors working in the midst of scientific revolution unequivocally tied health to race, gender, and sexuality by enlisting engravers, photographers, and printers to depict the healthy body as a European man and all others as weak, flawed, or ill. This course takes up questions about science, illustration, and identity. Can science tell us who we really are? Do pictures reveal the truth about our bodies? In this class, students will develop their own theory of how science continues to shape who we think we can be and how we might resist those limitations.

HNUH228R is part of the Science & Fiction thematic cluster and pairs with HNUH228C to complete the cluster. Science & Fiction courses will beoffered through Spring 2026.

0101	Brynne McBryde	Seats (Total: 20)	
	MW 1:30pm - 2:45pm	YDH 0104A	

0201	Brynne McBryde	Seats (Total: 20)
	MW 3:00pm - 4:15pm	YDH 0104A

HNUH238C **Surveillant Society, Surveillant Selves**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHS, SCIS

Do the social and individual benefits of surveillance outweigh its risks? Surveillance is a ubiquitous practice in contemporary society. Governments surveil populations; corporations surveil customers and users; and individuals surveil themselves and others. From red light cameras and doorbell security cameras to geo-tracking apps and smart appliances, surveillant practices shape 21st-century lifestyles. Many take these practices for granted as acceptable trade-offs for individual and collective benefits. Others sound the alarm on the dangers of being tracked and monitored, with concerns over individual liberty, social inequalities, and more. In this course we will debate how surveillance shapes social practices and selves. Students will draw their own conclusions about the role of surveillance in society, and what, if anything, should be done to change it.

HNUH218C is the required Big Question course in the Surveillance thematic cluster. Surveillance courses will be offered through Spring 2026.

0101	Brian Connor	Seats (Total: 50)
	MWF 11:00am - 11:50am	VMH 1203

HNUH239T **Globalization & Innovation: Culture, Creativity, and Competitiveness**

Credits: 3 | Grading Method: Regular | General Education: DSHS, DVUP

Introduces students to the creative possibilities of the global economy: cross-cultural innovation, collaborative design-driven solutions, and enduring innovation with global purchase. Covers innovations in global business that are transforming the future through an embrace of diverse cultural perspectives. Working with interactive idealized design, out-of-the-box-thinking, and strategic exploration tools, students will explore and experience relevant design to new and cross-cultural value creation. Through rapid prototyping, immersive reflections, and innovative design activities, students will experience how to translate insight into action, and action into tangible results. The evolutionary application of frameworks in this course culminates in a capstone project. This course is self-contained but paired with HNUH239I in the Strategic Cross-cultural Change track, which explores how globalization has brought about fundamental changes to our daily lives by making the world more interdependent.

0101	Gerald Suarez	Seats (Total: 20)
	MW 2:00pm - 3:15pm	MMH 0108

HNUH248C **The Societal Impact of Artificial Intelligence**

Credits: 3 | Grading Method: Regular | General Education: DSHS, SCIS

Credit only granted for: HNUH248C or BMGT251. Formerly: HNUH248C.

How will AI change society? AI is changing not only business, but the nature of society itself. This course investigates the nature of those changes and forecasts their future development. With a focus on the implications to business, including the nature of human jobs as AI does an increasing amount of work, students will debate the implications of AI through a variety of lenses. From definitions of consciousness and the potential for robots to claim rights to the gender implications of AI, we will explore its philosophical and political implications. As AI is also capital, we will interrogate what the advance of AI means to capitalists and for labor. Finally, we will enter the debate around whether AI will require more than machine learning to approximate general intelligence and whether it can truly be creative. Through the exploration of the unprecedented pitfalls and opportunities that AI represents, students will learn how best to cope with a world that is dependent on AI.

HNUH248C is the required Big Question course in the Artificial? Intelligence? thematic cluster. Artificial? Intelligence? courses will be offered through Spring 2026.

0101	Roland Rust	Seats (Total: 60)
	TuTh 2:00pm - 3:15pm	ATL 1113

HNUH248O **We the Artificial People: How AI has Reshaped Politics**

Credits: 3 Grading Method: Regular

Artificial intelligence (AI) has had profound impacts on the modern political landscape, in the US and abroad. From political campaigns powered by AI-driven audience microtargeting to AI-powered bots that influence public discourse to animosity incentivized by algorithmic content curation, AI has changed how politicians engage with the public, revealed new societal vulnerabilities, and exacerbated longstanding social ills. At the same time, these technologies empower new voices and engagement in political processes. This course encourages the critical evaluation of how AI has impacted political behavior and opened new threats like foreign electoral inference, disinformation, and manipulation through deep-fakes and generative language models. Through an exploration of key dimensions and challenges around the use of AI in political processes and methods to cope with these challenges, students will debate AI governance and frameworks for ethical, fair, transparent, and accountable AI.

HNUH248O is part of the Artificial? Intelligence? thematic cluster and pairs with HNUH248C to complete the cluster. Artificial? Intelligence? courses will be offered through Spring 2026.

0101	Cody Buntain	Seats (Total: 20)
	MW 1:00pm - 2:15pm	ESJ B0320

HNUH248Q **Frankenscience: An Exploration of "Natural" and "Artificial" In Society and Science Fiction**

Credits: 3 Grading Method: Regular

What is "natural" and what is "artificial"? While this distinction might seem obvious at first, modern biology has blurred it in surprising ways. Genetic engineering, vaccination, immunotherapies, bionics, and cybernetics all combine natural and artificial components to bring new dimensions to the way we think about human health. At the same time, humans have grappled with fears and innovation through speculative fiction far longer than these ideas have had practical applications. Landmark stories of artificial life include beings in Greek mythology (Talos), Jewish lore (golem), Mary Shelley's Frankenstein, and more to the present day. Approaching the interface between biological and artificial materials from both perspectives, this course will present history's cutting-edge developments in biomedical research and explore the boundaries of the natural and artificial in science fiction, allowing students to develop tools for grappling with AI and other "Frankenscience."

HNUH248Q is part of the Artificial? Intelligence? thematic cluster and pairs with HNUH248C to complete the cluster. Artificial? Intelligence? courses will be offered through Spring 2026.

0101	Kenneth Frauwirth TuTh 11:00am - 12:15pm	Seats (Total: 20) LEF 1171

HNUH248R **Artificial Intelligence: Critical Examinations through Science Fiction and Technology**

Credits: 3 Grading Method: Regular General Education: DSHU

AI permeates our world, but science fiction (SF) told stories about it centuries before AI became a reality in the 1950s, shaping our understanding and expectations through words and images. In this course, students will trace AI's evolution through SF to critically examine how key SF works have shaped how we think about AI and intelligence. Through an exploration of existing AI, like autonomous weapon systems, generative AI, and AI assistants, as well as a visit to UMD's AI department, students will learn to be critical viewers, readers, and developers as they grapple with AI's moral and social implications. Using the context of SF and technological developments, we will explore what the creation, existence, and evolution of fictional and real AI means for technology and humanity.

HNUH248R is part of the Artificial? Intelligence? thematic cluster and pairs with HNUH248C to complete the cluster. Artificial? Intelligence? courses will be offered through Spring 2026.

0101	Rebecca Jones TuTh 9:30am - 10:45am	Seats (Total: 20) TLF 0110
0201	Rebecca Jones TuTh 11:00am - 12:15pm	Seats (Total: 20) TLF 0110

HNUH249P **National Security: US Foreign Policy**

Credits: 3 Grading Method: Regular

Credit only granted for: HNUH249P or HONR269T. Formerly: HONR269T.

Following the terrorist attacks of September 11, 2001, the U.S. launched a major effort to dismantle the Taliban and create a sustainable democracy in Afghanistan. In 2021, the Taliban took control of the country. Was the U.S. effort doomed to fail? To answer this question, UH students will partner with peers at the American University of Afghanistan through a virtual global classroom to examine the lessons learned from the U.S. and international presence in Afghanistan over the past 20 years. Through reading assignments and virtual meetings with former senior U.S. and Afghan officials, students will examine the reasons behind the downfall of the country and analyze whether the outcome could have been changed. Students are not expected to have any prior knowledge about the conflict in Afghanistan. This course is self-contained but paired with HNUH249T in the National Security track, which explores debates around efforts to protect the nation from terrorism while preserving our values.

0101	Temim Nusraty	Seats (Total: 20)
	Tu 6:30pm - 9:00pm	LEF 1171

HNUH258C **Nature at Risk: Extinction, Consequences, and Strategies**

Credits: 3 Grading Method: Regular General Education: DSNS, SCIS

How should we prioritize among all the species at risk of extinction? This course will grapple with the complex and consequential process of extinction from biological, geographical, and mathematical perspectives. Core themes will include the 1) nature(s) of extinction risks, 2) potential consequences of different kinds of extinction, and 3) considerations involved in setting priorities. Students will explore, handle, and analyze relevant data (e.g., evolutionary trees, species occurrence records, population censuses) to better understand extinction processes. With the aid of AI-generated hypothetical species, we will investigate hidden biases, debate the consequences of our choices, and explore possible prioritization strategies.

HNUH258C is the required Big Question course in the Conserving Biodiversity thematic cluster. Conserving Biodiversity courses will be offered through Spring 2027.

0101	Bill Fagan	Seats (Total: 60)
	MW 8:30am - 9:45am	TWS 1310

HNUH258Q **Where the Waters Blend: Contemporary Indigenous Perspectives on History, Traditions, and Modern Issues**

Credits: 3 Grading Method: Regular General Education: DSHS, DVCC

Cross-listed with: CPSP220. Credit only granted for: HNUH268W, HNUH258Q or CPSP220. Formerly: HNUH268W.

In this unique cultural and personal learning experience, students will explore the history, traditions, and contemporary issues faced by Maryland's Indigenous people, particularly the Piscataway. The course emphasizes the interconnectedness of culture and environment, highlighting how Indigenous Ecological Knowledges shape our understanding of biodiversity and interconnected life. The experiential work of the course asks students to consider how the past matters, particularly when it is embodied in the land they live on, and their present obligations to it. On-campus and place-based learning focuses on the impacts of colonization on the Piscataway - cultural suppression, land displacement, and their effects today - and fosters students' capacity to challenge paradigms that marginalize Indigenous people in our region, nation, and world. Students will emerge with a greater understanding of Maryland's land, the critical role of biodiversity, and the resilience of the Piscataway culture.

0101	Tiara Thomas W 5:30pm - 8:00pm	Seats (Total: 20) YDH 0104F

HNUH258R **Cultivating conservation: exploring connections between biodiversity and livelihoods**

Credits: 3 Grading Method: Regular General Education: DSHS

There are a lot of ways food is harvested from land and sea before it reaches your dinner plate - not all of them are savory. In this course, we'll explore how the many livelihoods that provide us with food can also work to incorporate and rely on biodiversity conservation. What does biodiversity conservation look like in a working landscape or seascape? How do social movements align or contrast with different food production and conservation practices? And finally, how are these environments - and the people and cultures embedded in them - increasingly under threat? Through complementary aspects of social science and conservation practice, this course emphasizes not only the threats posed to unique localities and livelihoods, but also the hope of a just and sustainable dinner table. Students will leave with knowledge of the practices and skills needed to participate in transforming our food system for improved environmental and community outcomes.

HNUH258R is part of the Conserving Biodiversity thematic cluster and pairs with HNUH258C to complete the cluster. Conserving Biodiversity courses will be offered through Spring 2027.

0101	James LaChance MW 9:00am - 10:15am	Seats (Total: 20) YDH 0104A
0201	James LaChance MW 10:30am - 11:45am	Seats (Total: 20) YDH 0104A

HNUH259P **Drawn to D.C.: Mapping the City**

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Must have matriculated in University Honors starting in Fall 2020 or later.

Spaces, materials, objects, structures--the building-blocks of cities--index the values of the societies that produce them. By their very nature cities are memory devices. Yet, in an increasingly transient and virtual world, with access to a seemingly infinite amount of memory, what is the status of the spaces we inhabit? This course will explore the relationship among memory, the body and the built environment. Beginning with the role cities play in our individual lives and the construction of personal memories, we will take account of what we forget by remembering and what experiences are missing. Through lectures, seminars and discussions, students will produce short experimental books and pamphlets remapping Washington D.C. and the many invisible - personal - cities it contains. No previous art or design experience required. This course is self-contained but paired with HNUH259T in the Drawn to D.C. track, which explores the created spaces we inhabit, and how they inhabit us.

HUNH259P pairs with HUNH259T to complete the Drawn to D.C. Theory/Practice track. This pair of courses can be taken in any order. This track will be offered at least through the 2024-25 academic year.

0101	Hooman Koliji	Seats (Total: 20)
	MW 11:00am - 12:15pm	ONLINE

HNUH268C **Inclusion and Exclusion: Deportation in American Life**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHU, SCIS

What is the "American Dream" under threat of deportation? The United States proclaims to be welcoming but ideas about sovereignty, the nation, the border, good and bad immigrants, and crime in the United States coalesce to support the retention of some people and the displacement of others from its territory. Who the US deports is related to why it deports and on whose behalf such policies are made. This course acquaints students with current theories, methodologies, and debates in the field of the Humanities to grapple with the most pressing domestic questions about immigration and deportation. A variety of frameworks and approaches including critical ethnic studies, history, social movements, and geography, will challenge students to take a position on immigration law and deportation, and their effects on different communities - on all of us.

HNUH268C is the required Big Question course in the Homeland Insecurity thematic cluster. Homeland Insecurity courses will be offered through Spring 2027.

0101	Perla Guerrero	Seats (Total: 60)
	MW 2:00pm - 3:15pm	SPH 1303

HNUH268R **What Makes Land a Homeland?**

Credits: 3 | Grading Method: Regular | General Education: DSHS

We live in a world of contested lands. The University of Maryland itself stands on the ancestral land of the Piscataway People. Around the globe, we witness conflicts over land, such as the ongoing war in the Middle East over Israel-Palestine. We hear daily about the refugee crises in Syria and the complex debates surrounding the U.S.-Mexico border. These situations raise important questions: What does it mean to truly belong to a place? How does a migrant come to see their new country as home? This course explores the histories, cultures, memories, and stories of lands left behind to understand how places become homelands. Students will examine the politics behind the making of territories and the deep connections people form with land. Through this exploration, we will center the experiences of migration and displacement, questioning how these journeys reshape our understanding of belonging and the places we call home.

HNUH268R is part of the Homeland Insecurity thematic cluster and pairs with HNUH268C to complete the cluster. Homeland Insecurity courses will be offered through Spring 2027.

0101	Vasfiye Toprak MW 9:00am - 10:15am	Seats (Total: 20) YDH 0104F
0201	Vasfiye Toprak MW 10:30am - 11:45am	Seats (Total: 20) YDH 0104F

HNUH269P **Building Community: How to Make Friends**

Credits: 3 Grading Method: Regular General Education: DSHS, DVUP

Credit only granted for: HNUH248U or HNUH269P. Formerly: HNUH248U.

In 2017, U.S. Surgeon General Vivek Murthy deemed loneliness an "epidemic." While the rise of social media is meant to foster connection, over 23% of adults report being lonely and social networks have been shrinking for decades. Despite increasing rates of loneliness, it is still possible to overcome these trends and find connection. We tend to assume that we should know how to connect with others intuitively, but, as rising rates of loneliness indicate, this is not the case: connection is something we must learn and practice. In this applied course, students will learn the science of connection and engage in practical activities designed to help them make and keep friends. They will leave the course better able to foster meaningful connections. This course is self-contained but paired with HNUH269T in the Building Community track, where you will learn the social value of showing up, for the world and for yourself.

0101	Marisa Franco TuTh 2:00pm - 3:15pm	Seats (Total: 20) YDH 0104F

HNUH278C **Riding the Korean Wave: Kdrama, Race, and Global Culture**

Credits: 3 Grading Method: Regular General Education: DSHS, SCIS

How does culture construct our knowledge of the world and ourselves? Using Korean dramas, aka Kdramas, as a case study, this course will explore how various media negotiate blackness for global audiences. As a viral, billion-dollar art form, Kdramas provide an ideal window through which to explore recent trends in our global culture, including colorism, "Black as cool," travel as consumption, and immigration. They illuminate the politics of culture. We will examine how moral panics and social dilemmas are presented in the fictitious world of "Kdramaland," and how they inform our understandings of South Korean society, our own societies, and the world. Drawing on social science research by Koreans and non-Koreans alike, students will debate the ways the culture of the Korean wave reflects, reproduces, and challenges social inequities of marginalized and minoritized groups, as well as how those groups respond, to illuminate the larger global forces at work in intercultural exchange.

HNUH278C is the required Big Question course in the Change the Narrative thematic cluster. Change the Narrative courses will be offered through Spring 2027.

0101	Chinyere Osuji	Seats (Total: 60)
	Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	TWS 1100 ONLINE

HNUH278I **Bonded: Loneliness, Health, and Quality of Life**

Credits: 3 Grading Method: Regular

Society has become more and more disconnected, with 61% of American reporting being lonely. The U.S. Surgeon General's Advisory on the Healing Effects of Social Connection and Community reports that "The mortality impact of being socially disconnected is similar to that caused by smoking up to 15 cigarettes a day, and even greater than that associated with obesity and physical inactivity." Disconnection is devastating for health and for society. Particularly in a democracy predicated on the health of civic life, which requires interpersonal and community relationships, where does this predicament leave us as a society? This course illuminates the potential root causes of disconnection: early familial relationships, attachment styles, and broader technological trends. Students will leave the course with a toolkit of evidence-based strategies they can use - and share - to help heal these divides and repair our core social connections.

HNUH278I is part of the Health Check thematic cluster and pairs with HNUH288C to complete the cluster. HNUH 278I will be offered through Fall 2025.

0101	Marisa Franco	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	YDH 0104F

HNUH278R **Getting Graphic: Comics as Resistance**

Credits: 3	Grading Method: Regular, Pass-Fail	General Education: DSSP, DVUP

In 2023, Maia Kobabe's graphic memoir, Gender Queer, was the most challenged book in the U.S. Often restricted due to spurious claims about corrupting children, comics have a long history of upsetting the status quo with their unique use of words and pictures. Artists from historically marginalized communities continue to shape this medium. This class examines comics, from glossy horror comics to grungy punk zines, that reject the conventional and subvert suppression. Learning experientially through DMV resources like the D.C. Punk and Indie Fanzine Archive and local comics fests, students will generate their own comics and investigate censorship and resistance.

HNUH278R is part of the Change the Narrative thematic cluster and pairs with HNUH278C to complete the cluster.Change the Narrative courses will be offered through Spring 2027.

0101	Max Barnewitz TuTh 3:30pm - 4:45pm	Seats (Total: 20) ARC 1125	
0201	Max Barnewitz TuTh 5:00pm - 6:15pm	Seats (Total: 20) ARC 1125	

HNUH288C **Abortion in U.S. Society**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHS, SCIS

How do and can we talk about abortion in contemporary society? Civil discussion around the topic of abortion is almost non-existent between people with extremely different views in the U.S. It is such a taboo topic that an exchange of ideas can even be difficult for those with slightly different views--i.e., those who believe abortion should not be regulated by the government (more than any other health care is) and those who believe abortion should be legal and regulated by governments. Although it is an issue about which Americans care deeply, the very people who need most to talk about it seem unable to find any common ground upon which to begin. This course provides students with a solid base of knowledge needed to form opinions and engage in civil debate. Through an exploration of the different ways we talk about abortion in the U.S. and the sources of those strategies, students will learn to find their voice in the controversial topic.

HNUH288C is the required Big Question course in the Health Check thematic cluster. Health Check courses will be offered through Spring 2027.

0101	Julia Steinberg Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 30) EGR 0108 EGR 0108	 Discussion
0103	Julia Steinberg Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 30) EGR 0108 HJP 2217	 Discussion

HNUH288R **Is Black Bad for Your Health? Examining Race as a Risk Factor in Public Health**

Credits: 3 | Grading Method: Regular | General Education: DVUP

Cancer, heart disease, stroke, diabetes, asthma... Not only are Black Americans at higher risk for developing these life-threatening conditions, but they are also at higher risk of dying from them. In fact, Black race, unlike other racial identities, has been so consistently associated with poor health outcomes that "Black" is considered a risk factor--a characteristic that increases the likelihood of developing a disease--for many diseases. Can one's race alone determine their health trajectory? If race is socially constructed, how can race be a risk factor for health outcomes? This class will take up the tensions, contradictions, and seemingly illogical public health practices related to health outcomes for Black Americans and the impact of these practices on the broader community. Students will make sense of our present by examining our past--race science, eugenics, medical apartheid--and learn to disrupt the social reproduction of inequities to create a healthier society for the future.

HNUH288R is part of the Health Check thematic cluster and pairs with HNUH288C to complete the cluster. Health Check courses will be offered through Spring 2027.

0101	Nicole McConico MW 1:30pm - 2:45pm	Seats (Total: 20) YDH 0104F
0201	Nicole McConico MW 3:00pm - 4:15pm	Seats (Total: 20) YDH 0104F

HNUH300 **Vantage Point Seminar**

Credits: 2 Grading Method: Regular

Goal-setting and project-design seminar required of all UH students and taken in the second semester of the sophomore year or the first semester of the junior year.

Restricted to UH students matriculating in Fall 2020 or later. Vantage Point is for UH students in their 4th or 5th semester who have already completed or are completing their second cluster or track for the UH Citation.

0201	Nicole McConico MW 10:00am - 10:50am	Seats (Total: 20) ASY 3217
0301	Brynne McBryde MW 11:00am - 11:50am	Seats (Total: 20) ASY 3219
0401	James LaChance MW 2:00pm - 2:50pm	Seats (Total: 20) JMZ 0120
0501	Vasfiye Toprak MW 3:00pm - 3:50pm	Seats (Total: 20) JMZ 0120
0701	Ingrid Satelmajer TuTh 11:00am - 11:50am	Seats (Total: 20) JMZ 2207

0801	Ingrid Satelmajer TuTh 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2207
0901	Rebecca Jones TuTh 1:00pm - 1:50pm	Seats (Total: 20) LEF 1220
1001	Max Barnewitz TuTh 2:00pm - 2:50pm	Seats (Total: 20) ARC 1127
1101	Daniel Zipp TuTh 4:00pm - 4:50pm	Seats (Total: 20) LEF 1201

HNUH318T **Political Engagement and Advocacy**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Federal Fellows Program; and permission of instructor. Cross-listed with: FGSM310. Credit only granted for: HNUH318T or FGSM310.

An examination of questions and issues in the practice of political engagement and advocacy. Guest lecturers drawn from political, civic engagement, and advocacy arenas will visit class and participate in discussions.

0101	Peter Owen M 6:00pm - 9:00pm	Seats (Total: 24) AJC 2134

HNUH319T **Civic Leadership and Human Services**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in the UMD Fellows Program; and must have permission of the UMD Fellows Program. Cross-listed with: FGSM315. Credit only granted for: HNUH319T or FGSM315.

An examination of important issues, methodologies and tools of civic leadership in relation to human services, especially at the state and local level.

0101	Emily Shetty Tu 5:30pm - 8:30pm	Seats (Total: 22) AJC 2119

HNUH328T **Public Health Policy**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Federal Fellows Program; and permission of instructor. Cross-listed with: FGSM320. Credit only granted for: UNIV348P, HNUH328T or FGSM320. Formerly: UNIV348P.

An exploration of the major questions and issues facing the U.S. health care system as well as the formulation and implementation of health policy.

0101	Woodie Kessel	Seats (Total: 25)
	Tu 3:30pm - 6:30pm	HJP 2217

HNUH338T **Homeland and National Security Policy**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Federal Fellows Program; and permission of instructor. Cross-listed with: FGSM330. Credit only granted for: UNIV348T, HNUH338T or FGSM330. Formerly: UNIV348T.

An examination of the concept of U.S. homeland and national security, threats, and major vulnerabilities in the context of recent history.

0101	Andrew Fausett, Casie Antalis	Seats (Total: 23)
	M 6:00pm - 9:00pm	IRB 1207

HNUH348T **Energy and Environmental Policy**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Federal Fellows Program; and permission of instructor. Cross-listed with: FGSM340. Credit only granted for: UNIV348E, HNUH348T or FGSM340. Formerly: UNIV348E.

An examination of issues of energy and environmental sustainability through an investigation of policy-making in energy, climate change, and sustainable development.

0101	Ed Fendley	Seats (Total: 23)
	M 3:00pm - 6:00pm	ESJ B0320

HNUH358T **Critical Regions and International Relations**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Global Fellows Program; and permission of instructor. Cross-listed with: FGSM350. Credit only granted for: HNUH358T or FGSM350.

An examination of international relations and foreign policy challenges in critical regions.

0101	Brian Johnson, Danusia Hubah	Seats (Total: 23)
	Th 7:00pm - 10:00pm	ESJ 1215

HNUH359T **U.S. Intelligence and Policymaking**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Global Fellows Program; and Permission of Department. Cross-listed with: FGSM355. Credit only granted for: HNUH359T or FGSM355.

Examines the role of intelligence in supporting U.S. security strategy and policy. Students will learn how the U.S. Intelligence Community (IC) is structured and organized, and will explore how intelligence is deployed to support the warfighter, diplomats, and senior-level decisionmakers. The course emphasizes the development of critical thinking and analytic skills, as well as professional writing and oral presentation abilities that are necessary for successful work in national security organizations. The course will feature guest lecturers from real-world practitioners to supplement course readings.

0101	Michael Coyne, Amanda Schoch	Seats (Total: 20)
	Th 6:00pm - 9:00pm	ESJ 1309

HNUH368T **U.S. Diplomacy and Policymaking**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Global Fellows Program; and permission of instructor. Cross-listed with: FGSM360. Credit only granted for: HNIUH368T or FGSM360.

An examination of questions and issues in the practice of contemporary diplomacy and policy-making. Guest lecturers drawn from Washington policy-making and foreign service communities will visit class and participate in discussion.

0101	Bradley Gallagher, Nadia Farra	Seats (Total: 23)
	Tu 7:00pm - 10:00pm	ESJ 2212

HNUH369T **Economic Diplomacy: Challenges and Opportunities**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in the UMD Fellows Program; and must have permission of the UMD Fellows Program. Cross-listed with: FGSM365. Credit only granted for: FGSM365 or HNUH369T.

An examination of political, social, and environmental aspects of the global economy in the context of power competition and technological change.

0101	Andrew Nissen	Seats (Total: 22)
	M 6:00pm - 9:00pm	ESJ 1309

HNUH378T **Science Diplomacy: Foreign Policy & Science, Technology, and Innovation**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Global Fellows Program; and permission of instructor. Cross-listed with: FGSM370. Credit only granted for: UNIV389F, HNUH378T or FGSM370. Formerly: UNIV389F.

An exploration of the critical roles scientific knowledge and technological innovation play in the formation and implementation of foreign policy issues, including energy and climate change, public health, space and innovation, and economic development.

0101	Ellen Connorton, Jeffrey Haeni W 5:30pm - 8:30pm	Seats (Total: 24) ESJ 1309

HNUH379T **Strategic Thinking, AI, and Innovation Power**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in the UMD Fellows Program; and Permission of Department. Cross-listed with: FGSM375.

This course will prepare students for careers in technology innovation in three segments. First, students will ground themselves in the basics of strategic theory and how to make a strategy at any level of analysis. Second, from a practitioner's perspective, students will explore the U.S. innovation ecosystem in the context of world affairs across industry, academia, government, and venture. By doing so they can also examine potential career paths in building technology power to improve international security. Third, students will gain practical experience from studying cases in innovation power and build their own tech strategy as a capstone experience. Through all three phases of the class, artificial intelligence will be used as the base case and the most important general purpose technology of our day thus gaining an appreciation for AI itself on one hand, and how it is but one example of how technology can impact the destiny of nations on the other.

0101	Paul Maykish Tu 6:00pm - 9:00pm	Seats (Total: 22) ESJ 1309

HNUH398P **Federal and Global Experiential Learning**

(Perm req)

Credits: 3-9 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Permission of instructor. Repeatable to 9 credits if content differs. Cross-listed with: FGSM398. Credit only granted for: FGSM398 or HNUH398P.

This is the experiential course component of the Federal Fellows Program and Global Fellows Program.

0101	Sabrina Labold, Jayakumar Arasan Class time/details on ELMs	Seats (Total: 25) ONLINE
0201	Sabrina Labold, Jayakumar Arasan Class time/details on ELMs	Seats (Total: 5) ONLINE

HNUH398T **Global Health Challenges and Water Security**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Global Fellows Program; and permission of instructor. Cross-listed with: FGSM390. Credit only granted for: HNUH398T, HONR378M, or FGSM390.

An examination of questions and issues of global health and water security. Expert practitioners will also visit class and participate in discussions.

0101	Sasha Koo-Oshima	Seats (Total: 24)
	W 3:00pm - 6:00pm	AJC 2134

HONR Honors Fall 2025

HONR358A **Honors Practicum**

Credits: 3 Grading Method: Sat-Fail

For student section leaders of HONR100 or HONR200.

Contact department for information to register for this course.

HONR368A **MGA Legislative Seminar**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail General Education: FSPW

Prerequisite: Students who have taken courses with comparable content may contact the department; or ENGL101. Restriction: Permission of ARHU-English department. Cross-listed with: ENGL381. Credit only granted for: HONR368A or ENGL381. Additional information: Application required. Contact english@umd.edu for more information.

Prepares students to intern for the Maryland General Assembly. Introduces standard legislative genres and assigns extended practice in researching legislative issues.

Cross-listed with ENGL381. Credit only granted for one of the following: ENGL381 or HONR368A. Admission to this course is by application only.

Click here for more details.

0101	Blake Wilder	Seats (Total: 15)
	TuTh 9:30am - 10:45am	TWS 0205

IDEA Academy for Innovation & Entrepreneurship Fall 2025

IDEA201 **Innovation Tools & Mindsets**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: IDEA201 or IDEA258A. Formerly: IDEA258A.

Challenges assumptions around what is needed to innovate and who innovators are. Through hands-on activities and reflection, you'll be invited to step out of your comfort zone, think and work in new ways, and gain confidence in your creative abilities.

0101	Brooke Smith Class time/details on ELMs	Seats (Total: 60) ONLINE
0102	Brooke Smith Class time/details on ELMs	Seats (Total: 60) ONLINE
0103	Brooke Smith Class time/details on ELMs	Seats (Total: 60) ONLINE

IDEA311 **Design Your Purpose**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: IDEA311 or IDEA379A. Formerly: IDEA379A.

What do you want to do once you graduate? What about with your life? These are the big questions we begin to tackle in this course. Use design methods and mindsets to explore your personal and professional development goals and explore potential career paths. Using empathy, brainstorming, and prototyping techniques, you'll imagine potential futures for yourself and test them to see if they are a good fit for you.

0101	Brooke Smith, Christina Hnatov Class time/details on ELMs	Seats (Total: 40) ONLINE

IDEA459 **The Innovation Studio**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

When you think of classical music, do you picture ball gowns, men in powdered wigs, and music to fall asleep to? For many, these common misconceptions create barriers to encountering live classical music. The Academy for Innovation & Entrepreneurship partners with the National Orchestral Institute + Festival to challenge long-standing assumptions and explore the potential for belonging, experimentation, and awe that live classical music offers. This interdisciplinary design studio serves as a collaborative, experiential space to explore and develop ideas for future NOI+F festivals. We'll cover tenets of Experience Design like Phase 0, relational empathy, immersion, world building, and diagramming, and draw on practices such as Futuring, Improv, and Human-Centered Design to create innovative, audience-centered experiments. Whatever your experience level with classical music, design, or powdered wigs, you'll deepen your creative intuition and uncover new ways of working and thinking.

Cross-listed with IDEA459. Credit only granted for IDEA459 or IDEA659. In this class, we'll use human-centered design practices to develop performance-based and curricular experiments for future implementation at the National Orchestral Institute + Festival (NOI+F) at UMD. Students will have the opportunity to connect the work we do in class to their own interests related to the visual and performing arts. Experience with classical music performance and/or human-centered design practices is optional. The class is highly experiential, collaborative, and reflective. This work is done through a partnership between NOI+F and the Academy for Innovation and Entrepreneurship to create innovation-related experiences at the festival every year.

0101	Mira Azarm, Christina Hnatov	Seats (Total: 15)
	Th 9:30am - 12:00pm	ESJ 2101

IDEA498 **Independent Study: Experiments in Innovation**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Apply design thinking and/or lean startup concepts to your own real-world project, which may involve a partner organization. This course requires a high degree of self-direction in all aspects of the project including defining specific milestones and deliverables. There will be regular coaching from an Academy for Innovation and Entrepreneurship team member.

0101	Mira Azarm	Seats (Total: 3)
	Contact instructor or department for details.	

IDEA659 **The Innovation Studio**

Credits: 3 Grading Method: Regular, Audit

When you think of classical music, do you picture ball gowns, men in powdered wigs, and music to fall asleep to? For many, these common misconceptions create barriers to encountering live classical music. The Academy for Innovation & Entrepreneurship partners with the National Orchestral Institute + Festival to challenge long-standing assumptions and explore the potential for belonging, experimentation, and awe that live classical music offers. This interdisciplinary design studio serves as a collaborative, experiential space to explore and develop ideas for future NOI+F festivals. We'll cover tenets of Experience Design like Phase 0, relational empathy, immersion, world building, and diagramming, and draw on practices such as Futuring, Improv, and Human-Centered Design to create innovative, audience-centered experiments. Whatever your experience level with classical music, design, or powdered wigs, you'll deepen your creative intuition and uncover new ways of working and thinking.

Cross-listed with IDEA459. Credit only granted for IDEA459 or IDEA659. In this class, we'll use human-centered design practices to develop performance-based and curricular experiments for future implementation at the National Orchestral Institute + Festival (NOI+F) at UMD. Students will have the opportunity to connect the work we do in class to their own interests related to the visual and performing arts. Experience with classical music performance and/or human-centered design practices is optional. The class is highly experiential, collaborative, and reflective. This work is done through a partnership between NOI+F and the Academy for Innovation and Entrepreneurship to create innovation-related experiences at the festival every year.

0101	Mira Azarm, Christina Hnatov Th 9:30am - 12:00pm	Seats (Total: 15) ESJ 2101

IDEA698 **Independent Study in Design Thinking**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Graduate students apply design thinking and/or lean startup concepts to a real-world project. This course requires a high degree of self-direction in all aspects of the project including defining specific milestones and deliverables. There will be regular coaching from an Academy for Innovation and Entrepreneurship team member.

Restriction: Permisson required by the Academy for Innovation and Entrepreneurship. Graduate students apply design thinking and/or lean startup concepts to a real-world project. This course requires a high degree of self-direction in all aspects of the project including defining specific milestones and deliverables. There will be regular coaching from an Academy for Innovation and Entrepreneurship team member.

0101	Mira Azarm Contact instructor or department for details.	Seats (Total: 6)
0102	Christina Hnatov Contact instructor or department for details.	Seats (Total: 6)

IDEA768 **Design Research Studio**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Spend a semester conducting advanced design research as part of an ongoing real-world project and deepen your skills in design thinking and other innovation processes. This course will have a rigorous emphasis on core "design abilities" such as navigating ambiguity, learning from others, synthesizing information, and experimenting rapidly. The project will require engagement with a variety of relevant stakeholders, with whom you'll test multiple prototypes that will allow you to continuously learn and iterate on your ideas.

0101	Christina Hnatov Contact instructor or department for details.	Seats (Total: 2)

IMDM Immersive Media Design Fall 2025

IMDM101 **Introduction to Immersive Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must not have earned more than 60 credits; or permission of IMDM - Immersive Media Design program. Credit only granted for: CMSC101 or IMDM101. Formerly: CMSC101.

An introduction to the basic practices, concepts and issues in Immersive Media Design. Conducted as a hybrid studio/lecture course, students will work collaboratively in teams to complete both research and practical projects, including surveying current artists and practice in immersive media; completing studio-based interactive projects that fuse computational media into physical objects; and working in teams to ideate and execute large scale, immersive media works.

0101	Mollye Bendell MW 11:00am - 12:15pm	Seats (Total: 30) AVW 3258
0201	Myungin Lee TuTh 12:30pm - 1:45pm	Seats (Total: 30) AVW 3258
0301	Myungin Lee TuTh 9:30am - 10:45am	Seats (Total: 30) CSI 3120

IMDM127 **Creative Coding for Digital Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must not have completed any courses from CMSC131-499 course range; and must not be concurrently enrolled in CMSC131. Credit only granted for: IMDM127 or CMSC125.

An introduction to the principles of Computer Science supported by exercises in computer programming with an emphasis on creative coding, algorithmic image creation and manipulation, and interactive experiences. Students will make use of both exploratory coding approaches, and problem/solution-driven approaches, to design and implement software with visual and auditory output. The course also includes an introduction to a wide variety of issues relating to computer science and software, including software design and construction, problem-solving, and fundamental questions about the nature, limitations, and ethical use of computers and algorithms. It also explores how creativity tools can be used and as well as providing some insight into how they are implemented. The course is targeted to students with a broad diversity in backgrounds and interests. No prerequisites are assumed beyond high school algebra.

0201	Roger Eastman MWF 10:00am - 10:50am	Seats (Total: 36) AVW 3258

IMDM150 **Digital Media Theory and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Restriction: Must be in the Immersive Media Design program; or permission of IMDM - Immersive Media Design program.

An introduction to the fundamental structures and themes of digital culture in contemporary society. This course will provide you with a theoretical grounding in which to understand the current landscape of digital media culture, design and art. As an introductory course for the Immersive Media Design major, the focus will be on contextualizing immersive digital media such as virtual reality, augmented reality, immersive projection, and electronic art installation through reading, writing and discussion. Students will have opportunities to experience a range of these technologies first hand.

0101	Stefano Passeri TuTh 3:30pm - 4:45pm	Seats (Total: 30) EGR 2116

IMDM227 Introduction to Computational Media

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in IMDM101; and minimum grade of C- in CMSC131 or (IMDM127 and CMSC122). Restriction: Must be in the Immersive Media Design program or Permission of IMDM - Immersive Media Design program.

Comprehensive introduction to programming for visual, auditory and tactile art. Introduction to basic programming constructs, algorithms, data structures, and data transformations for creating and managing multimedia content, and conducting user interaction. Emphasis on programming and software design including the interfaces between hardware and software in multimedia devices, creating graphical user interfaces, and basic graphics and sound rendering.

0101	Stevens Miller TuTh 11:00am - 12:15pm	Seats (Total: 30) AVW 3258
0201	Stevens Miller TuTh 9:30am - 10:45am	Seats (Total: 30) AVW 3258
0301	Stevens Miller TuTh 3:30pm - 4:45pm	Seats (Total: 30) AVW 3258

IMDM327 Computational Virtual Reality

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in IMDM227 and CMSC132. Restriction: Must be in the Immersive Media Design, Computing program; or Permission of IMDM - Immersive Media Design program.

Introduction to mechanisms and programming for virtual reality, augmented reality, and related technologies. Covers elements of a standard VR system, including creating, managing and rendering visual and audio VR content, tracking orientation and positions of head mounted display (HMD) and controller, rendering stereo imagery for VR headsets, and implementing approaches for user interactivity.

0101	Myungin Lee	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	CSI 3120

IMDM350 **Advanced Digital Media Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in IMDM150. Restriction: Must be in the Immersive Media Design, Emerging Creatives program; or Permission of IMDM - Immersive Media Design program.

Advanced theories and concepts pertinent to the fields of immersive media design, new media art, design, and cultural technology. Also looks at ways in which contemporary societal norms are being shaped by game culture, social and mobile media, AR/VR escapism, network aesthetics, hacktivism, open-source culture, neural networks, artificial intelligence, and machine learning, among others. This course addresses the broad range of ways in which the accelerating pace of technological advances influence how we mediate the world around us and examines the environmental, social, political, and ethical implications of its use.

0101	Jason Farman	Seats (Total: 36)
	TuTh 2:00pm - 3:15pm	AVW 3258

IMDM399A **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

A directed study in specific readings or topics selected by a student under faculty supervision.

Contact department for information to register for this course.

IMDM490 **Senior Capstone I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in IMDM290. Restriction: Must be in Immersive Media Design major Computing or Emerging Creatives track; and must have earned a minimum of 86 credits.

The first course in a two-semester senior capstone sequence. During IMDM490 students will research, design and prototype a large-scale immersive media design project, in preparation for fully implementing and exhibiting the project in IMDM491 Capstone II. Students will have the opportunity to apply design and technical skills they have acquired in previous courses as well as focus on the organizational and production skills needed for a substantial, longer term project to achieve an artistic or technical goal.

0101	Yael Inbar, Matthew Nolan MW 12:30pm - 1:45pm	Seats (Total: 30) AVW 3258
0201	Yael Inbar, Matthew Nolan MW 2:00pm - 3:15pm	Seats (Total: 30) AVW 3258

IMDM499A **Independent Undergraduate Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Directed research under the supervision of a faculty member in immersive media. Students and supervising faculty member will agree to a research plan which must be approved by the department. As part of each research plan, students should produce a final paper on their research.

Contact department for information to register for this course.

IMMR Immigration Studies Fall 2025

IMMR200 **Introduction to Immigration and Migration Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, DVUP

Introduces concepts and theoretical interpretations about the causes of international migration; provides an historical overview of the main flows of immigration to the U.S.; analyzes economic, political, social, and cultural aspects that impact the immigrants' settlement process.

0101	Madeline Hsu TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0126

IMMR319D **Special Topics in Immigration and Migration Studies; Black Immigrants: Challenges and Impacts**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Thematic exploration of a topic in immigration or migration studies with emphasis on understanding how the movement of people is relevant in the contemporary world.

Cross-listed with AASP398B. Credit only granted for AASP398B or IMMR319D. How does immigration affect Black communities in the United States? How are foreign Black affected by living in the United States? Students will learn about: US history of immigration policy; pull and push factors driving Black migration; comparisons in socioeconomic outcomes between foreign and native Blacks; and differences between 1st and 2nd generation Black immigrants.

0101	Beka Guluma TuTh 11:00am - 12:15pm	Seats (Total: 20) TLF 1102

IMMR394 **Growing Up Asian American: The Asian Immigrant Family and the Second Generation**

Credits: 3 Grading Method: Regular General Education: DVCC

Cross-listed with: AAST394, AMST324. Credit only granted for: AAST394, AAST398E, AMST324, AMST328V, IMMR319G or IMMR394. Formerly: AAST398E.

An interdisciplinary course examines the experiences of children of Asian immigrants in the U.S., focusing on intergenerational dynamics in the Asian immigrant family, their intersections with race, gender, class, sexuality, and religion, and how these shape second-generation Asian American life. Topics include identity and personhood, the model minority myth and education, work and leisure, language and communication, filiality and disownment, mental health and suicide.

0101	Wenxi Yang	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 1120

IMMR399 **Internship in Immigration/Migration Studies**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail

Internship experience with an organization that works with or studies migration or immigrant populations. This experiential learning course provides training that enriches the students' academic field of study and the IMMR transcript notation. Students submit a final written report of how the experience ties into their major field of study.

Prerequisite: HIST222, IMMR200, or IMMR400; and permission of the Center for Global Migration Studies required. Restriction: Minimum cumulative GPA of 2.5; and must have earned a minimum of 60 credits. Repeatable to 6.0 credits if content differs. Additional information: This course is intended primarily for students seeking the Immigration and Migration Studies transcript notation, but exceptions will be considered for students with educational or career interests that lie in this area. Student internships must be approved by the Executive Director of the Center for Global Migration Studies. Students must secure an appropriate faculty mentor for the internship course. An internship course will be approved only if a faculty supervisor is available. Internship experience with an organization that works with or studies migration or immigrant populations. This experiential learning course provides training that enriches the students' academic field of study and the IMMR transcript notation. Students submit a final written report of how the experience ties into their major field of study.

0101	Instructor: TBA	Seats (Total: 2)
	Contact instructor or department for details.	

INAG Institute of Applied Agriculture Fall 2025

INAG100 **Introduction to Plant Science**

Credits: 4 Grading Method: Regular General Education: DSNL

Restriction: Must be a student in the Institute of Applied Agriculture; or permission of AGNR-Institute of Applied Agriculture department. Credit only granted for: INAG100, PLSC100, PLSC101, PLSC110 or PLSC112.

A general introduction to plant science designed to provide the students with a working knowledge of the fundamental structures and processes of plants. Content includes plant anatomy, physiology, genetics and environmental relationships.

0101	Kenneth Ingram	Seats (Total: 25)	
	Tu 9:00am - 11:00am	PLS 1161	
	Th 9:00am - 11:00am	PLS 1161	Lab

INAG102 **Agricultural Entrepreneurship**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in AGNR-College of Agriculture & Natural Resources; or permission of AGNR-Institute of Applied Agriculture department. Additional information: Priority in enrollment will be given to students within the Institute of Applied Agriculture. May not count toward any BMGT major or minor requirement.

This course introduces fundamental concepts related to launching a profitable agricultural business. Topics include idea generation, opportunity recognition, conducting feasibility studies, assembling the entrepreneurial team, and financing the new venture, among others. Students will learn knowledge and skills relevant to starting a new agricultural business.

0101	Dane Grossnickle	Seats (Total: 35)
	MWF 12:00pm - 12:50pm	EGR 0135

INAG103 **Agricultural Marketing**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in AGNR-College of Agriculture & Natural Resources; or permission of AGNR-Institute of Applied Agriculture department. Additional information: Priority in enrollment will be given to students within the Institute of Applied Agriculture. Course cannot be used to fulfill a requirement for a Robert H. Smith School of Business major or minor.

Principles of market demand are used to develop a consumer oriented market strategy for agricultural businesses. Topics include market structures, target marketing, market segmentation, niche marketing and direct marketing. Market concepts unique to agriculture products are also covered.

0101	Meredith Epstein	Seats (Total: 45)
	MWF 11:00am - 11:50am	SYM 3121

INAG106 **Pesticide Use and Safety**

Credits: 2 Grading Method: Regular, Audit

Restriction: Must be in a major in AGNR-Institute of Applied Agriculture department; or must be in a major in AGNR-College of Agriculture & Natural Resources; or permission of AGNR-Institute of Applied Agriculture department. Additional information: Priority enrollment will be given to students in the IAA program or to students in the College of Agriculture and Natural Resources (AGNR).

An overview of pesticide use and safety. Topics include environmental protection, labeling, personal safety, first aid, formulation and chemistry, equipment, disposal, storage, record-keeping and liability. The course prepares students to take the Maryland State test for a private applicator's license.

0101	Ronald Myers Class time/details on ELMs	Seats (Total: 30) ONLINE

INAG110 Oral Communication

Credits: 3 | Grading Method: Regular, Audit | General Education: FSOC

Credit only granted for: COMM107, COMM200, INAG110, JOUR130, THET285.

A study of how perception, self-concept, and verbal and nonverbal communications affect the communication process as it emerges in the workplace. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding.

0101	Eric Dunning MWF 8:00am - 8:50am	Seats (Total: 19) ATL 0201
0201	Chelsea Mays-Williams MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1146
0301	Eric Dunning MWF 9:00am - 9:50am	Seats (Total: 19) ATL 0201
0401	Robert Ballenger MWF 9:00am - 9:50am	Seats (Total: 19) HBK 1108
0501	Chelsea Mays-Williams MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1146
0701	Chelsea Mays-Williams MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1146
0801	Lori Sefton MWF 10:00am - 10:50am	Seats (Total: 19) ARC 1127
0901	Eric Dunning MWF 11:00am - 11:50am	Seats (Total: 19) LEF 1222
1001	Lori Sefton MWF 11:00am - 11:50am	Seats (Total: 19) ARC 1127

1101	Robert Ballenger MWF 11:00am - 11:50am	Seats (Total: 19) HBK 1108
1201	Eric Dunning MWF 12:00pm - 12:50pm	Seats (Total: 19) LEF 1222
1301	Lori Sefton MWF 12:00pm - 12:50pm	Seats (Total: 19) ARC 1127
1401	David Gormong MWF 12:00pm - 12:50pm	Seats (Total: 19) EGR 1102
1501	David Gormong MWF 1:00pm - 1:50pm	Seats (Total: 19) EGR 1102
1601	Amy Fisher MWF 1:00pm - 1:50pm	Seats (Total: 19) ONLINE
1701	Lori Sefton MWF 1:00pm - 1:50pm	Seats (Total: 19) ARC 1127
1801	David Gormong MWF 2:00pm - 2:50pm	Seats (Total: 19) EGR 1102
1901	Lori Sefton MWF 2:00pm - 2:50pm	Seats (Total: 19) KNI 1103
2001	Amy Fisher MWF 2:00pm - 2:50pm	Seats (Total: 19) ONLINE
2101	Amy Fisher M 3:00pm - 4:15pm W 3:00pm - 4:15pm	Seats (Total: 19) ONLINE PLS 1146
2201	Samuel Rubin M 6:00pm - 8:45pm	Seats (Total: 19) CHE 2140
2301	Samuel Rubin W 6:00pm - 8:45pm	Seats (Total: 19) CHE 2140

2401	Chelsea Mays-Williams TuTh 8:00am - 9:15am	Seats (Total: 19) HBK 0123
2501	Eric Dunning TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1115
2601	Chelsea Mays-Williams TuTh 9:30am - 10:45am	Seats (Total: 19) HBK 0123
2701	Eric Dunning TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1115
2801	Lori Sefton TuTh 9:30am - 10:45am	Seats (Total: 19) HBK 0108
2901	Chelsea Mays-Williams TuTh 11:00am - 12:15pm	Seats (Total: 19) HBK 0108
3001	David Gormong TuTh 11:00am - 12:15pm	Seats (Total: 19) WDS 1131
3101	Robert Ballenger TuTh 11:00am - 12:15pm	Seats (Total: 19) PLS 1115
3201	Robert Ballenger TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1115
3301	Amy Fisher TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1146
3401	David Gormong TuTh 12:30pm - 1:45pm	Seats (Total: 19) WDS 1131
3501	Robert Ballenger TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1115
3601	Amy Fisher Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) PLS 1146 ONLINE

3701	Samuel Rubin TuTh 2:00pm - 3:15pm	Seats (Total: 19) KNI 1206
3801	Samuel Rubin TuTh 3:30pm - 4:45pm	Seats (Total: 19) KNI 1206
3901	Amy Fisher Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 19) PLS 1172 ONLINE
4001	Samuel Rubin TuTh 5:00pm - 6:15pm	Seats (Total: 19) KNI 1206

INAG110S **Oral Communication**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSOC

Credit only granted for: COMM107, COMM200, INAG110, JOUR130, THET285.

A study of how perception, self-concept, and verbal and nonverbal communications affect the communication process as it emerges in the workplace. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding.

Restricted to College Park Scholars.

0601	Robert Ballenger MWF 10:00am - 10:50am	Seats (Total: 19) HBK 1108

INAG123 **People, Planet, and Profit: Digging Into Sustainable Agriculture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, SCIS

Is it possible for agricultural producers to make a living and feed the world nutritious, culturally inclusive food while protecting--or even restoring--the environment? This course investigates the principles and practices of sustainable agriculture and their relationship to the greater food system. We will explore the social (people), environmental (planet), and economic (profit) impacts of agriculture - from challenges to opportunities. INAG123 applies the principles of sustainability to various agricultural production practices and systems - at a range of different scales - to see what lessons these varied models can offer. Along the way, we will consider domestic issues such as food safety and distribution, food justice, cultural relevance, biodiversity, farming communities, and effects on local economies.

Students will have in person field trips scheduled and must provide their own transportation (actual dates to be determined).

0101	Mary Christensen Tu 2:00pm - 5:00pm	Seats (Total: 25) SYM 3121

INAG199 **Special Problems**

Credits: 1-3 Grading Method: Regular

Restricted to students in the AGNR-Institute of Applied Agriculture department. Others by permission of the AGNR-Institute of Applied Agriculture department. A detailed study, including a written report, involving a current issue in an agricultural area that relates to the student's major. The study is conducted under the direction of a faculty member. A maximum of three credit hours of special problems may be applied toward graduation.

0101	Geoffrey Rinehart Contact instructor or department for details.	Seats (Total: 10)
0201	Meredith Epstein Contact instructor or department for details.	Seats (Total: 10)
0301	Kenneth Ingram Contact instructor or department for details.	Seats (Total: 10)
0401	Dane Grossnickle Contact instructor or department for details.	Seats (Total: 5)
0501	Heather McHale Contact instructor or department for details.	Seats (Total: 10)
0601	Thomas Mazzone Contact instructor or department for details.	Seats (Total: 10)
0701	Rebecka Tetter Contact instructor or department for details.	Seats (Total: 5)

INAG199C **Special Problems; Special Problems in AgriScience**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Students must successfully complete an accredited high school agriculture program with a minimum of 4 agriculture courses with a minimum grade of B in each course. Demonstrates the application of scientific principles of agriculture by developing and presenting an oral report on a capstone project relevant to ccurrent agriculture issues.

0101	Heather McHale Contact instructor or department for details.	Seats (Total: 10)

INAG199D **Special Problems; Agricultural Tractor Operations and Maintenance**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Restriction: IAA students are given priority. Other UMD students will be granted permission to enroll if seats are available. Class will be held at the Central Maryland Research and Education Center (CMREC), Clarksville Facility, 4240 Folly Quarter Road, Ellicot City, MD 21042. Dates are September 20 and 21, 2025, with a rain date of September 26 and September 27, 2025. Students will need to provide their own transportation to and from the facility. This class introduces students to the operation and maintenance of agricultural tractors and farm equipment. Students learn to safely perform regular maintenance, and handle materials.

0101	Jeff Semler	Seats (Total: 14)
	Contact instructor or department for details.	

INAG199E **Special Problems; Professional Horticulture**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Only open to IAA students who have successfully completed the approved CPH program of study with an unweighted cumulative grade point average of 3.0 or higher for all completed CPH courses as noted on the official high school transcript, and passed the student CPH certification exam administered by the Maryland Nursery, Landscape and Greenhouse Association, Inc. (MNLGA).

0101	Heather McHale	Seats (Total: 10)
	Contact instructor or department for details.	

INAG203 **Agricultural Finance**

Credits: 3

Grading Method: Regular, Audit

Restriction: Students at the Institute of Applied Agriculture (IAA); or students at the College of Agriculture and Natural Resources (AGNR); or permission may be granted to other students based on available space. Additional information: Course cannot be used to fulfill a requirement for a Robert H. Smith School of Business major or minor.

This course introduces fundamental concepts related to the financial management of an agricultural business. Topics include financial statement analysis, financial planning, the relationship between risk and return, the time value of money, costs associated with borrowed funds, sources of capital, financial markets and intermediaries in agriculture, and personal finance, among others. Students will gain financial knowledge and skills necessary for managing a profitable agricultural business.

0101	Dane Grossnickle	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	EGR 2154

INAG208 **Understanding Turfgrass: Preparation for Intercollegiate Turfgrass Competitions**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

This course reinforces students' understanding of turf agronomic and integrated pest management principles of turfgrass management. This class is designed to prepare students for intercollegiate turf science competitions: the Golf Course Superintendents Association of America Turf Bowl and the Sports Field Managers Association Student Challenge. While the basic content areas in the course schedule will remain the same, this course will be tailored each year to reflect current trends in the turf industry.

Restriction: Must be in the Institute of Applied Agriculture; or must be in a major in the College of Agriculture and Natural Resources; or by permission of the department. Repeatable to 4 credits. This course reinforces students' understanding of turf agronomic and integrated pest management principles of turfgrass management. This class is designed to prepare students for intercollegiate turf science competitions: the Golf Course Superintendents Association of America Turf Bowl and the Sports Field Managers Association Student Challenge. While the basic content areas in the course schedule will remain the same, this course will be tailored each year to reflect current trends in the turf industry.

0101	Geoffrey Rinehart	Seats (Total: 10)	
	Tu 5:00pm - 5:50pm	SYM 3121	

INAG226 **Diseases of Ornamentals and Turf**

Credits: 3 Grading Method: Regular, Audit

Recommended: Completion of one of the following is recommended: PLSC 253, PLSC 254, INAG 107, PLSC 305. Additional information: Priority in enrollment will be given to students within the Institute of Applied Agriculture.

The course will cover various topics such as plant pathology, disease control practices, and an in depth coverage of the major diseases of ornamentals and turfgrasses in the Mid-Atlantic region. Emphasis will be placed on identification of disease signs and symptoms. Over 50 diseases will be covered during the semester.

0101	Geoffrey Rinehart	Seats (Total: 15)	
	Tu 9:30am - 12:15pm	SYM 3121	
	Th 9:30am - 10:45am	SYM 3121	Lab

INAG231 **Insects of Ornamentals and Turf**

Credits: 3 Grading Method: Regular, Pass-Fail

Recommended: PLSC253, PLSC254, or PLSC305; or INAG107. Restriction: Must be in a major in AGNR-College of Agriculture & Natural Resources; or permission of AGNR-Institute of Applied Agriculture department. Additional information: Priority enrollment will be given to students in the IAA program.

A study of the major insect pests and beneficial insects of ornamental plants and turfgrasses in the Mid-Atlantic region. The student will be responsible for insect identification, life history, and control practices of approximately 100 insects. An insect collection consisting of both insect pests and beneficial insects is required.

0101	Geoffrey Rinehart	Seats (Total: 18)	
	WF 10:00am - 10:50am	SYM 3121	
	M 9:00am - 10:50am	SYM 3121	Lab

INAG237 GPS & Drone Applications in Surveying

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be an Institute of Applied Agriculture student; or permission of the Institute of Applied Agriculture. Additional information: Course is open to Institute of Applied Agriculture students and permission will be granted to other students based on available seats, with priority given to students from majors in the College of Agriculture and Natural Resources.

The principles of land measurement using Global Positioning System (GPS) devices and Unmanned Aerial Vehicles (UAVs--i.e. drones) to collect data and generate maps. Students will use Pix4D and Trimble TerraFlex software to post-process collected data and learn how we can use this data to make informed land management decisions. Students will also be prepared to successfully earn their Part 107 Commercial Drone Pilots License as part of the course.

0101	Thomas Mazzone	Seats (Total: 8)	
	W 11:00am - 11:50am	ANS 0504	
	F 11:00am - 1:50pm	ANS 0504	

INAG242 Golf Course Design and Construction

Credits: 3 Grading Method: Regular General Education: DSSP

An appreciation and understanding of the game of golf is obtained through lectures on the history, organizations, and rules of the game. Golf course design theories, great architects and their courses, and construction specifications are discussed. Students will complete two golf course design projects.

0101	Kenneth Ingram	Seats (Total: 25)	
	Tu 2:00pm - 3:15pm	WDS 0104	
	Th 2:00pm - 3:15pm	WDS 0104	Lab

INAG250 Fundamentals of Agricultural Mechanics

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major in AGNR-College of Agriculture & Natural Resources, OR Permission of AGNR-Institute of Applied Agriculture Department. Credit only granted for: PLSC204 or INAG250. Additional information: Priority given to IAA majors and AGNR students whose major requires this course. Permission will be granted to other students on seats available basis.

Comprehensive coverage of the fundamentals of agriculture-related mechanics. Lecture and lab exercises will cover a broad range of topics including electricity, plumbing, welding processes, and wood and metal working applications. Emphasis will be given to the design and installation of electrical circuits. It will also include project planning and implementation, including development of safety protocols for each area of study.

Students must pay a $75 course materials fee.

0201	Thomas Mazzone TuTh 9:30am - 12:20pm	Seats (Total: 20) ANS 0504
0301	Thomas Mazzone TuTh 2:00pm - 4:50pm	Seats (Total: 20) ANS 0504

INAG288 **Internship**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

On-site internship training in the student's major area of study. Students must complete a minimum of 320 working hours at an approved work site. Course work also includes weekly written assignments and a site visit assessment.

0101	Geoffrey Rinehart Contact instructor or department for details.	Seats (Total: 5)
0201	Meredith Epstein Contact instructor or department for details.	Seats (Total: 5)
0301	Kenneth Ingram Contact instructor or department for details.	Seats (Total: 5)
0401	Dane Grossnickle Contact instructor or department for details.	Seats (Total: 5)
0501	Heather McHale Contact instructor or department for details.	Seats (Total: 5)
0601	Thomas Mazzone Contact instructor or department for details.	Seats (Total: 5)
0701	Rebecka Tetter Contact instructor or department for details.	Seats (Total: 5)

INAG289 **Internship Experience & Professional Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Professional development and reflective analysis of the experience from the Practicum (INAG 288). Based on their 320-hours of internship work experience, students will write an internship report and analysis, deliver an oral presentation, and develop professional skills and materials needed to enter their careers.

Prerequisite: INAG288. Restriction: Must be enrolled in the Institute of Applied Agriculture students; or permission of the Institute of Applied Agriculture.

0101	Rebecka Tetter M 3:00pm - 5:50pm	Seats (Total: 40) SYM 3121

INAG299B **Supervised Work Experience**

Credits: 1-2 Grading Method: Regular, Sat-Fail

0101	Geoffrey Rinehart Contact instructor or department for details.	Seats (Total: 5)

INFM Information Management Fall 2025

INFM600 **Information Environments**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies.

Explore models and methodologies used to create, collect, process, present, store, and distribute data, information, and knowledge in a variety of settings, including individuals, groups and teams, organizations, communities, platforms and ecosystems, governments, and society. Specific topics explored in this course include but are not limited to information behavior, mental models, process modeling, data modeling, data preprocessing, descriptive statistics, information visualization, computer-supported cooperative work, media richness, enterprise systems, online communities, communities of practice, digital platform ecosystems, open data, civic informatics, smart cities, data science for social good, hype cycle, and technology landscape.

IM01	Waqas Shah M 6:00pm - 8:45pm	Seats (Total: 30) HBK 0115

INFM620 **Introduction to Strategic Information Management**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INFM612; or LBSC631; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Strategic management is the comprehensive collection of tasks, activities, and processes organizations use to coordinate and align resources and actions with its mission, vision, and strategy. Due to changes occurring in our global landscape, the integration of business and technology is compelling organizations to move beyond traditional, reactive, and silo-based data management approaches to a managed, predictive approach that treats information as a strategic asset and uses it to create business value. To meet challenges of this hyper-competitive environment, this course will provide you with an introduction to the strategic management of information assets for competitive differentiation and sustained business success.

IM01	Ping Wang	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

INFM719 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular

Intensive individual study under faculty supervision.

Contact department for information to register for this course.

INFM737 **Information Management Capstone Experience**

Credits: 3 Grading Method: Sat-Fail

Prerequisite: Must have earned a minimum of 27 credits in the MIM Program; or permission of instructor. Restriction: Must be in Information Management (Master's) program; and permission of INFO-College of Information Studies.

The Information Management Capstone Experience I and II are the culminating experience of the Master of Information Management program, taken in the students final two semesters. The capstone experience provide students with the opportunity to integrate and synthesize the knowledge and skills acquired throughout their MIM course work while working in a real world Information Management project. These courses must be taken in succession.

IM01	David Loshin	Seats (Total: 40)
	Th 2:00pm - 4:45pm	HBK 0302J

INST Information Studies Fall 2025

INST101 **Bits and Bytes of Computer and Information Sciences**

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: For first time freshmen and first time transfer students; or permission of CMNS-Computer Science department. Cross-listed with: CMSC100. Credit only granted for: CMSC100 or INST101.

Students are introduced to the fields (and disciplines) of computer science and information science within a small classroom setting. They will learn to make a successful transition from high school to the university, while exploring study skills, student success plans and research opportunities.

0101	Thomas Raymond Th 4:00pm - 4:50pm	Seats (Total: 35) CSI 2120
0201	Erik Wilkinson F 10:00am - 10:50am	Seats (Total: 35) IRB 1207
0301	Madeline Georgevich F 1:00pm - 1:50pm	Seats (Total: 35) IRB 2207

INST104 **Design Across Campus**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, SCIS

What is design, who does it, and how is it done? There is no one answer to this question--it depends on who you ask. The answers to these questions vary across disciplines and across the University campus. This course, designed with modules from contributors in UMD programs including Information Studies, Human-Computer Interaction, Graphic Design, Immersive Media Arts, Journalism, Architecture, Landscape Architecture, Engineering, and Policy, will introduce students to the goals and values, approaches, skills, and practices of diverse fields of design. It will enable students to identify grand challenges in design and serve as a sorting hat to help students find a design practice that matches their own values, approaches, skills and goals.

0101	Anat Szendro Sevilla Tu 2:00pm - 4:45pm	Seats (Total: 100) ONLINE
0201	Samantha McDonald MW 3:30pm - 4:45pm	Seats (Total: 100) TWS 0320
0301	Noha Elansary TuTh 3:30pm - 4:45pm	Seats (Total: 100) PLS 1140
0401	Anat Szendro Sevilla TuTh 9:30am - 10:45am	Seats (Total: 100) ONLINE

INST123 **Databases for All**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Restriction: Must not have completed or be currently taking INST327 or BMGT402.

An introduction to relational databases for students with no previous programming experience. Provides a means for students of diverse backgrounds to successfully learn how to store, retrieve, and maintain data in relational databases. Topics include a brief comparison of database systems with an emphasis on relational databases, fundamental relational database concepts, and data types. Includes technical approaches to accessing information stored in relational databases.

0101	Vijay Arni Tu 5:00pm - 6:30pm Th 9:30am - 10:45am	Seats (Total: 49) ONLINE HBK 0103	Discussion
0102	Vijay Arni Tu 5:00pm - 6:30pm Th 11:00am - 12:15pm	Seats (Total: 49) ONLINE HBK 0103	Discussion
0103	Vijay Arni Tu 5:00pm - 6:30pm Th 12:30pm - 1:45pm	Seats (Total: 49) ONLINE HBK 0103	Discussion

INST126 **Introduction to Programming for Information Science**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Math placement of STAT100 or higher. Restriction: Must not have completed INST326; and must be in Information Science, Technology and Information Design, or Social Data Science programs.

An introduction to computer programming for students with very limited or no previous programming experience. Topics include fundamental programming concepts such as variables, data types, assignments, arrays, conditionals, loops, functions, and I/O operations.

0101	J Bern Jordan MWF 1:00pm - 1:50pm	Seats (Total: 80) ESJ 1215	
0102	Giovanni Luca Ciampaglia TuTh 9:30am - 10:45am	Seats (Total: 80) ESJ 1202	
0201	Erik Jones Th 12:30pm - 1:45pm Class time/details on ELMs M 9:00am - 9:50am	Seats (Total: 39) ESJ 2204 ONLINE HBK 0103	Discussion
0202	Erik Jones Th 12:30pm - 1:45pm Class time/details on ELMs M 10:00am - 10:50am	Seats (Total: 39) ESJ 2204 ONLINE HBK 0103	Discussion

0203	Erik Jones	Seats (Total: 39)	
	Th 12:30pm - 1:45pm Class time/details on ELMs M 11:00am - 11:50am	ESJ 2204 ONLINE HBK 0103	Discussion
0301	Scott Jackson	Seats (Total: 39)	
	Tu 12:30pm - 1:45pm Class time/details on ELMs F 9:00am - 9:50am	ESJ 2204 ONLINE ESJ 1309	Discussion
0302	Scott Jackson	Seats (Total: 39)	
	Tu 12:30pm - 1:45pm Class time/details on ELMs F 10:00am - 10:50am	ESJ 2204 ONLINE ESJ 1309	Discussion
0303	Scott Jackson	Seats (Total: 39)	
	Tu 12:30pm - 1:45pm Class time/details on ELMs F 11:00am - 11:50am	ESJ 2204 ONLINE ESJ 1309	Discussion

INST151 **Becoming A Social Media Influencer**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Credit only granted for: INST408N or INST151. Formerly: INST408N.

Teaches students how to create, grow, and manage influential social media accounts. Topics will include tools for content creation, analyzing and strategizing with analytics, building community, and defining their niche and approach.

0101	Jennifer Golbeck	Seats (Total: 115)	
	Class time/details on ELMs	ONLINE	

INST152 **"Fake Checking": Battling Misinformation and Disinformation in the Real World**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSSP

Examining the phenomenon of "fake news" using the principles of information literacy, students will develop their skills in locating, analyzing, and evaluating different information sources -- in the classroom, in their personal lives, and in the workplace.

0101	Angel Jones	Seats (Total: 150)	
	TuTh 3:30pm - 4:45pm	ASY 2203	

INST153 **Records Scandals & Data Vandals: Public & Private Sector Controversies Ripped From The Headlines**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	General Education: DSHS, SCIS

Expressly organized around case studies about well-known individuals and organizations involved in scandals and controversies that have generated headlines around the world. It places these events in a larger historical, legal, technological, ethical and societal context. Drawing upon contemporaneous records in a variety of media, as well as presentations from invited speakers representing the greater archival, historical, and public interest communities, the course seeks to deepen students' appreciation of the role that records and information plays in issues going to the heart of government transparency, corporate accountability, and social justice.

0101	Jason Baron	Seats (Total: 100)
	Tu 2:00pm - 3:30pm Class time/details on ELMs	ONLINE ONLINE

INST155 **Social Networking**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	General Education: DSHS, SCIS

Credit only granted for: INFM289I or INST155. Formerly: INFM289I.

Introduces methods for analyzing and understanding how people use social media - social networking websites, blogging and microblogging, and other forms of online interaction and content generation - and their societal implications. Introduces students to the science and social science of network analysis. Through real world examples, including analysis of their own social networks, students develop skills for describing and understanding the patterns and usage of services like Facebook, Twitter, YouTube, and others.

0101	Hananya Cohen	Seats (Total: 150)
	Class time/details on ELMs	ONLINE

INST156 **How NASA Sees the Earth**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	General Education: DSSP

Cross-listed with: GEOG156. Credit only granted for: GEOG156 or INST156.

The world of Earth science data is complex and can be overwhelming with a wide range of data sources and formats, hefty downloads and the need for complicated analytical tools. To make use of enormous volumes of available data and geoinformation products, one has to know where and how to search and obtain the data, how to analyze the data, and how to extract useful information and knowledge. In this course, you will learn about the state-of-the-art Web-based tools that allow you to efficiently display and analyze a large number of datasets in a way many professionals working in the Earth science domain would. You will learn how to visualize multiple Earth science datasets produced by NASA in a variety of ways directly on the Internet, without the need to download, manage and store them. Students will be introduced to comprehensive functions to analyze the data and generate customized maps, animations, multi-variable correlations, regional subsetting, etc.

0101	Sergii Skakun TuTh 9:30am - 10:45am	Seats (Total: 50) ESJ 2204	

INST161 **Analytics Across Athletics**

Credits: 3 Grading Method: Regular, Audit

Are you passionate about sports and curious how data is transforming the game? This course offers a hands-on introduction to sports analytics through projects, discussions, and guest speakers. You'll explore how data informs athletic performance, strategy, and decision-making while gaining practical skills in organizing, analyzing, and visualizing data. Learn where data comes from--like databases, GPS trackers, and surveys--and how to tell meaningful stories with it. We'll also discuss privacy, consent, ethics, and bias in sports data.

0101	Erek Perry TuTh 6:30pm - 8:00pm	Seats (Total: 25) ESJ B0322	

INST201 **Introduction to Information Science**

Credits: 3 Grading Method: Regular, Audit General Education: DSHS

Credit only granted for: INST201 or INST301. Formerly: INST301.

Examining the effects of new information technologies on how we conduct business, interact with friends, and go through our daily lives. Understanding how technical and social factors have influenced the evolution of information society. Evaluating the transformative power of information in education, policy, and entertainment, and the dark side of these changes.

0101	Jieun Yeon MW 9:00am - 9:50am F 8:00am - 8:50am	Seats (Total: 50) LEF 2205 SQH 1117	Discussion
0102	Jieun Yeon MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 50) LEF 2205 SQH 1117	Discussion
0103	Jieun Yeon MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 50) LEF 2205 SQH 1117	Discussion
0104	Jieun Yeon MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 50) LEF 2205 SQH 1117	Discussion

0201	Samantha McDonald MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 50) KEY 0106 SQH 1117	Discussion
0202	Samantha McDonald MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 50) KEY 0106 SQH 1117	Discussion
0203	Samantha McDonald MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 50) KEY 0106 SQH 1117	Discussion
0204	Samantha McDonald MW 2:00pm - 2:50pm F 3:00pm - 3:50pm	Seats (Total: 50) KEY 0106 SQH 1117	Discussion
0301	Dustin Smith TuTh 4:00pm - 4:50pm F 12:00pm - 12:50pm	Seats (Total: 49) ONLINE HBK 0103	Discussion
0302	Dustin Smith TuTh 4:00pm - 4:50pm F 1:00pm - 1:50pm	Seats (Total: 49) ONLINE HBK 0103	Discussion
0303	Dustin Smith TuTh 4:00pm - 4:50pm F 2:00pm - 2:50pm	Seats (Total: 49) ONLINE HBK 0103	Discussion
0401	Fabian Faccio MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 50) KEY 0106 CCC 1111	Discussion
0402	Fabian Faccio MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 50) KEY 0106 CCC 1111	Discussion
0403	Fabian Faccio MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 50) KEY 0106 CCC 1111	Discussion

FC01	M Sauter	Seats (Total: 40)
	TuTh 7:30pm - 8:45pm	ESJ 2309
	Restricted to students in Freshmen Connection.	

INST204 **Designing Fair Systems**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

Credit only granted for: INST208D or INST204. Formerly: INST208D.

Reviews how specific values are built into different automated decision-making systems as an inevitable result of constructing mechanisms meant to produce specific outcomes. These values create differential outcomes for the different people enmeshed in these systems, but both these values and these systems can be changed to support different values and different outcomes. The class serves as an introduction to the emerging field of algorithmic bias that bridges the disciplines of information science, computer science, law, policy, philosophy, sociology, urban planning, and others.

0101	Nathan Beard	Seats (Total: 100)
	TuTh 2:00pm - 3:15pm	ESJ 2204

INST204S **Designing Fair Systems**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

Credit only granted for: INST208D or INST204. Formerly: INST208D.

Reviews how specific values are built into different automated decision-making systems as an inevitable result of constructing mechanisms meant to produce specific outcomes. These values create differential outcomes for the different people enmeshed in these systems, but both these values and these systems can be changed to support different values and different outcomes. The class serves as an introduction to the emerging field of algorithmic bias that bridges the disciplines of information science, computer science, law, policy, philosophy, sociology, urban planning, and others.

Restriction: Must be in the College Park Scholars program.

0101	Pamela Duffy	Seats (Total: 75)
	TuTh 9:30am - 10:45am	ESJ 2212

INST210 **The Nuts & Bolts of Getting Hired**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Information Science program, Technology and Information Design program, or Social Data Science program. Credit only granted for: INST208C or INST210. Formerly: INST208C.

Have you thought about finding an internship, getting a job, or starting your career? Perhaps you're confused about how to begin. Welcome to The Nuts and Bolts of Getting Hired, where you'll learn the skills necessary to develop your professional tool kit and obtain the internship or job that can help you build the career you want. This course will help you prepare for the next step in your career by exploring the following topics: Identifying your career goals, mastering the skills of crafting a professional resume, effective interviewing, strategic networking, and professional communication.

0101	John Galliano Class time/details on ELMs	Seats (Total: 50) ONLINE

INST227 **Fundamentals of Academic Peer Mentoring in Information Studies**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of the College of Information Studies.

Students will be exposed to scholarship of teaching and learning in support of developing applied skills to support active learning as an iSchool academic peer mentor. Students will learn to effectively coach and support the performance of other people. Guided online and face-to-face participation will culminate in a portfolio of teaching activities and professional development.

0101	Diana Bridgett M 12:00pm - 12:50pm	Seats (Total: 20) ONLINE
0102	Angela Boley Class time/details on ELMs	Seats (Total: 30) ONLINE

INST228 **Academic Peer Mentor Experience in Information Science**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Students who are participating in instructional activities for undergraduate courses offered by the College of Information Studies, or by faculty members of the College through other units, can take this course to earn course credit for their AMP work.

0126	Corie Brown, Scott Jackson Contact instructor or department for details.	Seats (Total: 15)
0201	Corie Brown, Samantha McDonald Contact instructor or department for details.	Seats (Total: 15)
0314	Samantha Kemper, Corie Brown Contact instructor or department for details.	Seats (Total: 15)

0327	Pamela Duffy, Iskander Lou, Nicholas DeWitt, Corie Brown Contact instructor or department for details.	Seats (Total: 15)
0346	Corie Brown, Elizabeth Bonsignore Contact instructor or department for details.	Seats (Total: 15)

INST301 **Introduction to Information Science**

Credits: 3 Grading Method: Regular, Audit General Education: DSHS

Restriction: Must be in Information Science program; and restricted to students in the Information Science Program on the Universities at Shady Grove campus. Credit only granted for: INST201 or INST301.

Examining the effects of new information technologies on how we conduct business, interact with friends, and go through our daily lives. Understanding how technical and social factors have influenced the evolution of information society. Evaluating the transformative power of information in education, policy, and entertainment, and the dark side of these changes.

ESG1	Jacob Davidson Th 9:00am - 11:45am *Restricted to students in the Information Science Program at USG.*	Seats (Total: 60) BLD4 5332

INST309 **Independent Study in Information Science**

(Perm req)

Credits: 1-3 Grading Method: Regular

Individual independent study of an aspect of information science, selected according to student interest and need in consultation with a member of the iSchool faculty. Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

INST311 **Information Organization**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in PSYC100 or SOCY105. Restriction: Must be in the Information Science program.

Examines the theories, concepts, and principles of information, information representation and organization, record structures, description, and classification. Topics to be covered in this course include the methods and strategies to develop systems for storage, organization, and retrieval of information in a variety of organizational and institutional settings, as well as policy, ethical, and social implications of these systems.

0101	Ryan O'Grady Class time/details on ELMs W 9:00am - 9:50am	Seats (Total: 45) ONLINE HBK 0103	Discussion
0102	Ryan O'Grady Class time/details on ELMs W 10:00am - 10:50am	Seats (Total: 45) ONLINE HBK 0103	Discussion
0103	Ryan O'Grady Class time/details on ELMs W 11:00am - 11:50am	Seats (Total: 45) ONLINE HBK 0103	Discussion
0104	Ryan O'Grady Class time/details on ELMs W 12:00pm - 12:50pm	Seats (Total: 45) ONLINE HBK 0103	Discussion
0201	Chad Doran Class time/details on ELMs F 1:00pm - 1:50pm	Seats (Total: 44) ONLINE HBK 0109	Discussion
0202	Chad Doran Class time/details on ELMs F 2:00pm - 2:50pm	Seats (Total: 44) ONLINE HBK 0109	Discussion
0203	Chad Doran Class time/details on ELMs F 3:00pm - 3:50pm	Seats (Total: 44) ONLINE HBK 0109	Discussion
0204	Chad Doran Class time/details on ELMs F 4:00pm - 4:50pm	Seats (Total: 44) ONLINE HBK 0109	Discussion
0301	Connie Siebold M 5:00pm - 6:30pm Class time/details on ELMs F 9:00am - 9:50am	Seats (Total: 40) ONLINE ONLINE HBK 0109	Discussion
0302	Connie Siebold M 5:00pm - 6:30pm Class time/details on ELMs F 10:00am - 10:50am	Seats (Total: 40) ONLINE ONLINE HBK 0109	Discussion

0303	Connie Siebold M 5:00pm - 6:30pm Class time/details on ELMs F 11:00am - 11:50am	Seats (Total: 40) ONLINE ONLINE HBK 0109	Discussion
ESG1	Galina Reitz W 10:00am - 12:30pm Class time/details on ELMs *Restricted to students in the Information Science Program at USG.*	Seats (Total: 60) BLD4 5332 ONLINE	Discussion

INST314 **Statistics for Information Science**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in INST126 or GEOG276; and minimum grade of C- in STAT100, and MATH115 (or higher). Restriction: Must be in Information Science or Social Data Science program.

Basic concepts in statistics including measure construction, data exploration, hypothesis development, hypothesis testing, pattern identification, and statistical analysis. The course also provides an overview of commonly used data manipulation and analytic tools. Through homework assignments, projects, and in-class activities, you will practice working with these techniques and tools to create information resources that can be used in individual and organizational decision-making and problem-solving.

0101	Sarah Lee MW 11:00am - 11:50am F 8:00am - 8:50am	Seats (Total: 49) HJP 0226 HBK 0103	Discussion
0102	Sarah Lee MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 49) HJP 0226 HBK 0103	Discussion
0103	Sarah Lee MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 49) HJP 0226 HBK 0103	Discussion
0104	Sarah Lee MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 49) HJP 0226 HBK 0103	Discussion
0201	Samantha Kemper MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 49) SKN 0200 HBK 0103	Discussion

0202	Samantha Kemper MW 2:00pm - 2:50pm Th 3:00pm - 3:50pm	Seats (Total: 49) SKN 0200 HBK 0103	Discussion
0203	Samantha Kemper MW 2:00pm - 2:50pm Th 4:00pm - 4:50pm	Seats (Total: 49) SKN 0200 HBK 0103	Discussion
0204	Samantha Kemper MW 2:00pm - 2:50pm Th 5:00pm - 5:50pm	Seats (Total: 49) SKN 0200 HBK 0103	Discussion
0301	Sarah Lee Class time/details on ELMs MW 2:00pm - 3:15pm	Seats (Total: 50) ONLINE PLS 1130	Discussion
	PLEASE NOTE: This section is a "flipped" format. Students are REQUIRED to complete asynchronous online lectures and tutorials before class meetings. Students are also REQUIRED to attend and participate in group problem solving in face-to-face class meetings. Please contact the instructor with any questions.		
ESG1	Faisal Quader Tu 9:00am - 10:30am Class time/details on ELMs	Seats (Total: 60) BLD4 4335 ONLINE	
	Restricted to students in the Information Science Program at USG.		

INST326 **Object-Oriented Programming for Information Science**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in INST126 or GEOG276. Restriction: Must be in Information Science or Social Data Science program.

An introduction to programming, emphasizing understanding and implementation of applications using object-oriented techniques. Topics to be covered include program design and testing as well as implementation of programs.

Students who wish to register should contact the College of Information Studies.

0101	Aric Bills MWF 9:00am - 9:50am	Seats (Total: 75) ESJ 1215	
0102	Aric Bills MWF 10:00am - 10:50am	Seats (Total: 75) ESJ 1215	

0201	Christopher Dempwolf M 3:30pm - 4:45pm Th 9:30am - 10:45am	Seats (Total: 30) ESJ 1202 HBK 0109	 Discussion
0202	Christopher Dempwolf M 3:30pm - 4:45pm Th 11:00am - 12:15pm	Seats (Total: 30) ESJ 1202 HBK 0109	 Discussion
0203	Christopher Dempwolf M 3:30pm - 4:45pm Th 12:30pm - 1:45pm	Seats (Total: 30) ESJ 1202 HBK 0109	 Discussion
0301	Christopher Dempwolf M 5:00pm - 6:15pm Class time/details on ELMs W 1:00pm - 1:50pm	Seats (Total: 30) ESJ 2204 ONLINE HBK 0109	 Discussion
0302	Christopher Dempwolf M 5:00pm - 6:15pm Class time/details on ELMs W 2:00pm - 2:50pm	Seats (Total: 30) ESJ 2204 ONLINE HBK 0109	 Discussion
0303	Christopher Dempwolf M 5:00pm - 6:15pm Class time/details on ELMs W 3:00pm - 3:50pm	Seats (Total: 30) ESJ 2204 ONLINE HBK 0109	 Discussion
0401	Matthew Patrick Tu 11:00am - 12:15pm Class time/details on ELMs F 1:00pm - 1:50pm	Seats (Total: 30) ONLINE ONLINE PLS 1158	 Discussion
0402	Matthew Patrick Tu 11:00am - 12:15pm Class time/details on ELMs F 2:00pm - 2:50pm	Seats (Total: 30) ONLINE ONLINE PLS 1158	 Discussion
0403	Matthew Patrick Tu 11:00am - 12:15pm Class time/details on ELMs F 3:00pm - 3:50pm	Seats (Total: 30) ONLINE ONLINE PLS 1158	 Discussion

ESG1	Iskander Lou F 9:00am - 10:30am Class time/details on ELMs	Seats (Total: 60) BLD4 4335 ONLINE	
	Restricted to students in the Information Science Program at USG.		

INST327 **Database Design and Modeling**

Credits: 3 | Grading Method: Regular, Audit | General Education: DSSP

Prerequisite: Minimum grade of C- in INST126, BSOS233, or GEOG276. Restriction: Must be in Information Science or Social Data Science program. Credit only granted for: INST327 or BMGT402.

Introduction to databases, the relational model, entity-relationship diagrams, user-oriented database design and normalization, and Structured Query Language (SQL). Through labs, tests, and a project, students develop both theoretical and practical knowledge of relational database systems.

Students who wish to register should contact the College of Information Studies.

0101	Iskander Lou W 11:00am - 11:50am Class time/details on ELMs F 9:00am - 9:50am	Seats (Total: 45) MMH 1400 ONLINE TWS 0236	Discussion
0102	Iskander Lou W 11:00am - 11:50am Class time/details on ELMs F 10:00am - 10:50am	Seats (Total: 45) MMH 1400 ONLINE TWS 0236	Discussion
0103	Iskander Lou W 11:00am - 11:50am Class time/details on ELMs F 11:00am - 11:50am	Seats (Total: 45) MMH 1400 ONLINE TWS 0236	Discussion
0201	Nicholas DeWitt, Pamela Duffy W 12:00pm - 12:50pm Class time/details on ELMs F 1:00pm - 1:50pm	Seats (Total: 45) MMH 1400 ONLINE TWS 0236	Discussion
0202	Nicholas DeWitt, Pamela Duffy W 12:00pm - 12:50pm Class time/details on ELMs F 2:00pm - 2:50pm	Seats (Total: 45) MMH 1400 ONLINE TWS 0236	Discussion

0203	Nicholas DeWitt, Pamela Duffy W 12:00pm - 12:50pm Class time/details on ELMs F 3:00pm - 3:50pm	Seats (Total: 45) MMH 1400 ONLINE TWS 0236	Discussion
0301	Pamela Duffy, Nicholas DeWitt W 1:00pm - 1:50pm Class time/details on ELMs M 9:00am - 9:50am	Seats (Total: 45) MMH 1400 ONLINE BPS 0283	Discussion
0302	Pamela Duffy, Nicholas DeWitt W 1:00pm - 1:50pm Class time/details on ELMs M 10:00am - 10:50am	Seats (Total: 45) MMH 1400 ONLINE BPS 0283	Discussion
0303	Nicholas DeWitt, Pamela Duffy W 1:00pm - 1:50pm Class time/details on ELMs M 11:00am - 11:50am	Seats (Total: 45) MMH 1400 ONLINE BPS 0283	Discussion

INST330 **Designing Tools for Tinkering and Learning**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: INST208Z or INST330. Formerly: INST208Z.

What do kids learn when playing with robots? How can video games teach people? Can people really learn a new language using an app? In this course, we will explore how technologies can help people learn. Central to the class will be looking at different types of tools, technologies, and environments, and investigating the various ways to help people learn. As part of the class students will learn to see the world through the eyes of an educational technology designer and develop ways to create and evaluate technological tools for tinkering and learning. Along the way, we will apply an inclusive user-entered design process to a series of projects, which may include mobile applications, robotics, Internet of Things, toys, and games.

0101	Dennis Frezzo M 11:00am - 1:45pm	Seats (Total: 40) HBK 0302H

INST335 **Organizations, Management and Teamwork**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: 1 course with a minimum grade of C- from (INST201, INST301); and minimum grade of C- in PSYC100. Restriction: Must be in Information Science program.

Examines principles, methods and types of leadership with an emphasis on goal setting, motivation, problem solving, and conflict resolution. Examines principles of developing teams and managing team projects through planning and execution, including estimating costs, managing risks, scheduling, staff and resource allocation, communication, tracking, and control. Trains students to recognize and capitalize on opportunities to use information to increase efficiency, improve performance, and support innovation within teams and organizations. Focuses on strategic use of emerging technologies and new information resources to execute information-enabled change.

Students who wish to register should contact the College of Information Studies.

0101	Susannah Paletz MW 12:00pm - 12:50pm F 8:00am - 8:50am	Seats (Total: 30) ONLINE PLS 1158	 Discussion
0102	Susannah Paletz MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 30) ONLINE PLS 1158	 Discussion
0103	Susannah Paletz MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 30) ONLINE PLS 1158	 Discussion
0104	Susannah Paletz MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 30) ONLINE PLS 1158	 Discussion
0201	Tatyana Yevgrafova M 12:00pm - 1:30pm Class time/details on ELMs W 8:00am - 8:50am	Seats (Total: 30) ONLINE ONLINE HBK 0105	 Discussion
0202	Tatyana Yevgrafova M 12:00pm - 1:30pm Class time/details on ELMs W 9:00am - 9:50am	Seats (Total: 30) ONLINE ONLINE HBK 0105	 Discussion
0203	Tatyana Yevgrafova M 12:00pm - 1:30pm Class time/details on ELMs W 10:00am - 10:50am	Seats (Total: 30) ONLINE ONLINE HBK 0105	 Discussion

0204	Tatyana Yevgrafova M 12:00pm - 1:30pm Class time/details on ELMs W 11:00am - 11:50am	Seats (Total: 30) ONLINE ONLINE HBK 0105	 Discussion
0301	Francesca Polito MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 30) ONLINE HBK 0105	 Discussion
0302	Francesca Polito MW 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 30) ONLINE HBK 0105	 Discussion
0303	Francesca Polito MW 9:00am - 9:50am W 3:00pm - 3:50pm	Seats (Total: 30) ONLINE HBK 0105	 Discussion
0304	Francesca Polito MW 9:00am - 9:50am W 4:00pm - 4:50pm	Seats (Total: 30) ONLINE HBK 0105	 Discussion
ESG1	Francesca Polito M 10:00am - 12:30pm Class time/details on ELMs *Restricted to students in the Information Science Program at USG.*	Seats (Total: 60) ONLINE ONLINE	

INST341 **Introduction to Digital Curation**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed with a C- or higher, or be concurrently enrolled in INST311. Restriction: Must be in Technology and Information Design or Information Science programs.

Explores various dimensions and contexts for digital curation, which includes all activities involving the management, representation and preservation of both born-digital and digitized information. Focuses on opportunities, challenges and demands of every-increasing digital data and networked information infrastructure.

0101	Jwan Al Faili TuTh 3:30pm - 4:45pm	Seats (Total: 50) BPS 1236	

0102	Jwan Al Faili Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 49) HBK 0103 ONLINE	

INST346 **Technologies, Infrastructure and Architecture**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- from INST201 or INST301; and minimum grade of C- in INST326 and INST327. Restriction: Must be in the Information Science program; and must have earned a minimum of 60 credits. Credit only granted for: INST346 or BMGT405.

Examines the basic concepts of computer hardware, systems software, networking, client/server architectures, cloud computing, distributed systems, and high performance computing as applied to information rich domains. Technology and architectures will be discussed within the contexts of solving social issues, supportingscience, and conducting business operations. Current computing topics such as web environments, IoT, security, management, and policy will also be reviewed.

Students who wish to register should contact the College of Information Studies.

0101	Dennis Frezzo MW 4:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 40) ONLINE HBK 0302H	Discussion
	This section focuses on theory and skills for careers in networking, cybersecurity, and cloud computing		
0102	Dennis Frezzo MW 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 40) ONLINE HBK 0302H	Discussion
	This section focuses on theory and skills for careers in networking, cybersecurity, and cloud computing		
0103	Dennis Frezzo MW 4:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 40) ONLINE HBK 0302H	Discussion
	This section focuses on theory and skills for careers in networking, cybersecurity, and cloud computing		
0201	Elizabeth Bonsignore MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 40) ONLINE HBK 0302H	Discussion

0202	Elizabeth Bonsignore MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 40) ONLINE HBK 0302H	Discussion
0203	Elizabeth Bonsignore MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 40) ONLINE HBK 0302H	Discussion
0204	Elizabeth Bonsignore MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 40) ONLINE HBK 0302H	Discussion
0301	Akshat Patel MW 10:00am - 10:50am Th 8:00am - 8:50am	Seats (Total: 40) ONLINE HBK 0302H	Discussion
0302	Akshat Patel MW 10:00am - 10:50am Th 9:00am - 9:50am	Seats (Total: 40) ONLINE HBK 0302H	Discussion
0303	Akshat Patel MW 10:00am - 10:50am Th 10:00am - 10:50am	Seats (Total: 40) ONLINE HBK 0302H	Discussion
0304	Akshat Patel MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 40) ONLINE HBK 0302H	Discussion
ESG1	Ramita Shrestha W 2:00pm - 3:30pm F 9:00am - 10:30am *Restricted to students in the Information Science Program at USG.*	Seats (Total: 25) ONLINE BLD4 3210	Lab
ESG2	Ramita Shrestha W 2:00pm - 3:30pm F 10:30am - 12:00pm *Restricted to students in the Information Science Program at USG.*	Seats (Total: 25) ONLINE BLD4 3210	Lab

INST347 **Cloud Computing for Information Science**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in INST346. Restriction: Must be in the Information Science major.

What is cloud computing? Where does cloud computing occur? How can we use cloud computing to solve problems and create opportunities in information science? In this course, the foundations and operation of cloud computing, with a focus on information science applications, will be presented. Key cloud functions such as computing, storage, databases, and networking will be examined. Major cloud providers will be contrasted. The course will conclude with a practical application of cloud services to design and implement a cloud solution to a social, technical, or environmental problem.

0101	Dennis Frezzo F 2:00pm - 4:45pm	Seats (Total: 60) HJP 2242	

INST352 **Information User Needs and Assessment**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- from INST201 or INST301; and minimum grade of C- in INST311. Restriction: Must be in Technology and Information Design or Information Science programs.

Focuses on use of information by individuals, including the theories, concepts, and principles of information, information behavior and mental models. Methods for determining information behavior and user needs, including accessibility issues will be examined and strategies for using information technology to support individual users and their specific needs will be explored.

0101	Miranda Downey Th 12:30pm - 1:45pm Class time/details on ELMs M 9:00am - 9:50am	Seats (Total: 40) ONLINE ONLINE HBK 0109	 Discussion
0102	Miranda Downey Th 12:30pm - 1:45pm Class time/details on ELMs M 10:00am - 10:50am	Seats (Total: 40) ONLINE ONLINE HBK 0109	 Discussion
0103	Miranda Downey Th 12:30pm - 1:45pm Class time/details on ELMs M 11:00am - 11:50am	Seats (Total: 40) ONLINE ONLINE HBK 0109	 Discussion
0104	Miranda Downey Th 12:30pm - 1:45pm Class time/details on ELMs M 12:00pm - 12:50pm	Seats (Total: 40) ONLINE ONLINE HBK 0109	 Discussion

0201	Nicole Miller MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 38) PHY 1412 ATL 2428	Discussion
0202	Nicole Miller MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 38) PHY 1412 ATL 2428	Discussion
0203	Nicole Miller MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 38) PHY 1412 ATL 2428	Discussion
0204	Nicole Miller MW 1:00pm - 1:50pm F 4:00pm - 4:50pm	Seats (Total: 38) PHY 1412 ATL 2428	Discussion
0301	Jane Behre TuTh 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 37) ARM 0131 HBK 0105	Discussion
0302	Jane Behre TuTh 3:00pm - 3:50pm F 12:00pm - 12:50pm	Seats (Total: 37) ARM 0131 HBK 0105	Discussion
0303	Jane Behre TuTh 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 37) ARM 0131 HBK 0105	Discussion
0304	Jane Behre TuTh 3:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 37) ARM 0131 HBK 0105	Discussion

INST354 **Decision-Making for Information Science**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- from INST201 or INST301; and minimum grade of C- in INST314 and PSYC100. Restriction: Must be in the Information Science program.

Examines the use of information in organizational and individual decision-making, including the roles of information professionals and information systems in informed decision-making through techniques such as data analysis and regression, optimization, sensitivity analysis, decision trees, risk analysis and business simulation models.

Students who wish to register should contact the College of Information Studies.

0101	Kathy Weaver Class time/details on ELMs Th 11:00am - 12:15pm	Seats (Total: 100) ONLINE JMZ 0220	Discussion
0102	Abdirisak Mohamed M 6:00pm - 7:15pm Class time/details on ELMs	Seats (Total: 100) ONLINE ONLINE	

INST362 **User-Centered Design**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- from INST201 or INST301; and minimum grade of C- from PSYC100 or SOCY105; and minimum grade of C- in INST326 and STAT100. Restriction: Must be in the Information Science program or Technology and Information Design program; and must have earned a minimum of 60 credits.

Introduction to human-computer interaction (HCI), with a focus on how HCI connects psychology, information systems, computer science, and human factors. User-centered design and user interface implementation methods discussed include identifying user needs, understanding user behaviors, envisioning interfaces, and utilizing prototyping tools, with an emphasis on incorporating people in the design process from initial field observations to summative usability testing.

Students who wish to register should contact the College of Information Studies.

0101	Heera Lee MW 9:00am - 9:50am F 8:00am - 8:50am	Seats (Total: 40) ONLINE HBK 0115	Discussion
0102	Heera Lee MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 40) ONLINE HBK 0115	Discussion
0103	Heera Lee MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 40) ONLINE HBK 0115	Discussion
0104	Heera Lee MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 40) ONLINE HBK 0115	Discussion

0201	Wesley Lewis MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 40) ONLINE HBK 0115	Discussion
0202	Wesley Lewis MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 40) ONLINE HBK 0115	Discussion
0203	Wesley Lewis MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 40) ONLINE HBK 0115	Discussion
0204	Wesley Lewis MW 2:00pm - 2:50pm F 3:00pm - 3:50pm	Seats (Total: 40) ONLINE HBK 0115	Discussion
0301	Heera Lee Tu 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 40) ONLINE HBK 0115	Discussion
0302	Heera Lee Tu 9:30am - 10:45am Th 3:00pm - 3:50pm	Seats (Total: 40) ONLINE HBK 0115	Discussion
0303	Heera Lee Tu 9:30am - 10:45am Th 4:00pm - 4:50pm	Seats (Total: 40) ONLINE HBK 0115	Discussion
0304	Heera Lee Tu 9:30am - 10:45am Th 5:00pm - 5:50pm	Seats (Total: 40) ONLINE HBK 0115	Discussion

INST363 **Fundamentals of Technology Innovation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Technology Innovation Leadership Minor; or permission of INFO-College of Information Studies. Credit only granted for: INST408T or INST363. Formerly: INST408T.

Introduces students to the fundamentals of technology innovation, and how leaders approach innovation in the information science field. The course explores approaches and perspectives on how to develop an individual's capabilities to be better at leading others in an innovative environment. Combining theory and practice, students will be introduced to problem solving and explore ways to become an exceptional innovation leader.

ESG1	Ping Wang	Seats (Total: 60)
	Class time/details on ELMs	ONLINE
	Restricted to students in the BSIS @ USG Program and Technology Innovation Leadership Minor.	

INST364 **Human-Centered Cybersecurity**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- from INST201 or INST301; and minimum grade of C- in INST327, STAT100, MATH115, and PSYC100. Restriction: Must be in the Information Science program; or must be in the Information Risk Management, Ethics, and Privacy Minor.

Cybersecurity is fundamentally a problem of human interaction with technology, but its technical challenges are better understood than its human challenges. This course is designed to give you an overview of human interactions with cybersecurity technology, from users to system designers. Using the information gleaned in this course, you should be able to make better predictions about how people react to cybersecurity policies and tools, and how those reactions shape organizational behavior. The earlier part of the course focuses on explanations for behavior, while the later parts of the course focus more on the development and evaluation of tools for assisting people in cybersecurity.

0101	Susan Campbell	Seats (Total: 75)
	TuTh 3:30pm - 4:45pm	BPS 1243
0102	David Patrick	Seats (Total: 50)
	TuTh 5:00pm - 6:15pm	ONLINE
ESG1	Padric Mylod	Seats (Total: 60)
	Th 10:30am - 12:15pm	ONLINE
	Class time/details on ELMs	ONLINE
	Restricted to students in the BSIS @ USG Major and Information Risk Management, Ethics, and Privacy Minor.	

INST366 **Privacy, Security and Ethics for Big Data**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in one of the following: INST126, GEOG276, or BSOS233; and minimum grade of C- in STAT100; and minimum grade of C- in one of the following: AASP101, ANTH210, ANTH260, ECON200, ECON201, GEOG202, GVPT170, PSYC100, SOCY100, or SOCY105. Restriction: Must be in the Information Science, Technology and Information Design, or Social Data Science programs; or must be in the Information Risk Management, Ethics, and Privacy Minor.

Evaluates major privacy and security questions raised by big data, Internet of things (IoT), wearables, ubiquitous sensing, social sharing platforms, and other AI-driven systems. Covers history of research ethics and considers how ethical frameworks can and should be applied to digital data.

0101	Joseph Kelly MW 9:00am - 9:50am Class time/details on ELMs	Seats (Total: 75) CCC 1100 ONLINE
0102	Susan Campbell TuTh 2:00pm - 3:15pm	Seats (Total: 75) CCC 1100
0103	Alla Levin TuTh 3:30pm - 4:45pm	Seats (Total: 75) ATL 1113

INST367 **Prototyping and Development Studio**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in INST380. Restriction: Must be in the Technology and Information Design program. Credit only granted for: INST398A or INST367. Formerly: INST398A.

Covers interaction design--the process of defining products and the broad services built around them--and user experience research--how you determine what to design and how successful your design is. When interacting with systems, people build expectations and mental models of how things work, based upon their previous experience with similar products or processes, and the successful or unsuccessful nature of their interactions determines the success of your design. This course is about how to design for digital interactions that will resonate with your audiences (how the features and functions of a product get translated into something people find usable, useful, and desirable), and the research that goes on throughout that process (from contextual inquiry to evaluating the final product), with a particular emphasis on prototyping and iteration.

0101	Jamie Dinh W 2:00pm - 4:45pm	Seats (Total: 35) HBK 0302H

INST377 **Dynamic Web Applications**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: 1 course with a minimum grade of C- from (INST201, INST301, or BSOS233); and minimum grade of C- in INST327, STAT100, and MATH115 (or higher). Restriction: Restricted to Information Science and Social Data Science. Credit only granted for: INST377 or BMGT406.

An exploration of the basic methods and tools for developing dynamic, database-driven websites, including acquiring, installing, and running web servers, database servers, and connectability applications.

Students who wish to register should contact the College of Information Studies.

0101	Anmol Dash Class time/details on ELMs M 9:00am - 9:50am	Seats (Total: 30) ONLINE HBK 0105	Discussion
0102	Anmol Dash Class time/details on ELMs M 10:00am - 10:50am	Seats (Total: 30) ONLINE HBK 0105	Discussion
0103	Anmol Dash Class time/details on ELMs M 11:00am - 11:50am	Seats (Total: 30) ONLINE HBK 0105	Discussion
0104	Anmol Dash Class time/details on ELMs M 12:00pm - 12:50pm	Seats (Total: 30) ONLINE HBK 0105	Discussion
0201	Anmol Dash Class time/details on ELMs F 8:00am - 8:50am	Seats (Total: 30) ONLINE PLS 1164	Discussion
0202	Anmol Dash Class time/details on ELMs F 9:00am - 9:50am	Seats (Total: 30) ONLINE PLS 1164	Discussion
0203	Anmol Dash Class time/details on ELMs F 10:00am - 10:50am	Seats (Total: 30) ONLINE PLS 1164	Discussion
0204	Anmol Dash Class time/details on ELMs F 11:00am - 11:50am	Seats (Total: 30) ONLINE PLS 1164	Discussion

ESG1	Timothy Suh	Seats (Total: 40)
	Tu 11:00am - 12:30pm Class time/details on ELMs	BLD4 3321 ONLINE
	Restricted to students in the Information Science Program at USG. Meets in person on September 2, September 16, September 30, October 7, October 21, November 4, November 18, and December 2.	

INST380 **Technology and Information Design: Do Good Now**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in INST201, INST126, and STAT100; and minimum grade of C- from PSYC100 or SOCY105. Restriction: Must be in the Technology and Information Design program. Credit only granted for: ARHU380, BSOS388B, PLCY388D, or PLCY380.

Climate change. Poverty. Racism. Pressing social issues are big, complex, and difficult. They can feel overwhelming to understand and impossible to address. You might care deeply about an issue, and want to make a difference, but don't know where to start. Sometimes you might not even try. This course will equip and empower you to delve deep into understanding a social issue of your choosing. Through course materials and activities, you'll try out your changemaker muscles and mindsets. Our goal is that this course will empower you to be an informed, engaged citizen who contributes to your community with and beyond your profession. Along the way, we'll address questions like, "What is social change?" and "What happens when our actions have unintended consequences?" We'll talk about the importance of understanding, empathy, agency, and community, and reflect on how these concepts relate to us as individuals.

0101	Elizabeth Bonsignore	Seats (Total: 70)
	MWF 10:00am - 10:50am	ESJ 0215

INST381 **Design Thinking for Visual Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in PSYC100 or SOCY105; and minimum grade of C- in INST126, INST201, and STAT100. Restriction: Must be in the Technology and Information Design major. Credit only granted for: INST398J or INST381. Formerly: INST398J.

In an age where technology increasingly permeates our daily existence, there remain certain human qualities that machines cannot replicate: creativity, curiosity, and empathy. This course endeavors to delve into the dynamic relationship between the pillars of aesthetics and the core skills of Design Thinking (DT), all with the goal of enhancing the design process. Throughout the course, we will witness instances where DT bolsters Visual Communication (VC), and conversely, where VC lends its support to the DT process. Our exploration will revolve around three pivotal questions: How can we engage users and establish meaningful connections with them? How can we empathize with users' challenges and provide them with effective solutions? How can we embrace a holistic approach to design?

0101	Jamie Dinh	Seats (Total: 25)
	W 11:00am - 1:45pm	HBK 0302H

INST388E **"Maker Movement" Approach to Computing; Knitting = Algorithms + Coding**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Informed by the "maker movement," this course allows students to merge their personal interests and hobbies with computing. This course is great for students new to computing who want to explore real world applications, or for more advanced students wanting an opportunity to engage in depth with a niche topic.

Students will examine the relationship between knitting, algorithms, and coding through the investigation and practice of knitting stitches, the design of knitting patterns, and textile creation independent of current technology and time. In this course, we will explore the concepts of computational thinking, algorithms, and coding using the medium of knitting, creating fiber arts that reflect an understanding of the importance of algorithms and their use in problem-solving. We will capture that understanding and translate algorithms into knitting patterns, culminating in a project to create fiber art employing designs developed in the course.

0101	Pamela Duffy	Seats (Total: 25)
	Meets September 2, 2025 - October 17, 2025	
	Tu 11:00am - 12:45pm	HBK 0302H

INST388F **"Maker Movement" Approach to Computing; Electronics for Makers**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Informed by the "maker movement," this course allows students to merge their personal interests and hobbies with computing. This course is great for students new to computing who want to explore real world applications, or for more advanced students wanting an opportunity to engage in depth with a niche topic.

Students will develop survival electronics skills for understanding and designing systems. This course will be a friendly introduction to physical computing, creating interactive systems that can sense (take inputs) and actuate (create outputs), under local electronic and/or cloud control. Such systems offer an interface between the analog and digital worlds. The theoretical inspiration is the material nature of bits: how do modern, virtual, digital systems - such as the Internet, VR, big data, and AI - require physical devices, places, and patterns of energy? Starting with educational kits and multimeters, and moving to breadboard circuits, Arduino microcontrollers,and Raspberry Pi singleboard computers, students will develop rapid prototyping skills, use electronics as a medium of expression, and develop some insight into the digital divide. No prior knowledge or skill is required.

0101	Dennis Frezzo	Seats (Total: 15)
	Meets September 2, 2025 - October 17, 2025	
	Tu 4:00pm - 5:50pm	HBK 0302A

INST388G **"Maker Movement" Approach to Computing; Seeing the Internet**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Informed by the "maker movement," this course allows students to merge their personal interests and hobbies with computing. This course is great for students new to computing who want to explore real world applications, or for more advanced students wanting an opportunity to engage in depth with a niche topic.

What is the physical reality of Internet infrastructure? Are bits material? Where is cyberspace? How do devices (like desktops, laptops, tablets, smartphones, servers, switches, routers, firewalls), connected via links (like copper cables, optical fiber, electromagnetic waves), enabled by water and power utilities, act together as a system? We will trace the physical and logical paths that Internet traffic takes through links(connections) and nodes (devices). We will also consider the impact of the growing Internet on other infrastructure, such as the vast increases in electrical power required by cloud-based artificial intelligence. Through a combination of in-person and online experiences,we will learn"to see better the Internet around us" and to share models of, and stories about, how the Internet as a system works end-to-end. We will explore how the material nature of digital computingand the "geography of the Internet" can inform approaches to personal expression, understanding systems prototypes, and decreasing the digital divide.

0101	Dennis Frezzo	Seats (Total: 15)
	Meets September 2, 2025 - October 17, 2025	
	Tu 2:00pm - 3:50pm	HBK 0302A

INST388I **"Maker Movement" Approach to Computing; The Internet of Things**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Informed by the "maker movement," this course allows students to merge their personal interests and hobbies with computing. This course is great for students new to computing who want to explore real world applications, or for more advanced students wanting an opportunity to engage in depth with a niche topic.

The Internet of Things (IoT) refers to the interconnection of perhaps a trillion Internet-connected devices ranging from tiny "smart dust" sensors and actuators, embedded in almost any human-designed or living thing, to the Internet's "network of networks," to powerful cloud systems, including AI. IoT systems are sometimes called cyber physical systems. We will go from "zero" to "hero", building a "hello world" IoT system quickly. We will examine IoT systems in terms of messages among sensors and actuators; gateways and routers; LANs, WANs, and ISPs; cloudservices; and mobile applications. Applications such as smart health, smart homes,smart cities, smart transportation, smart agriculture, and smart factories will be considered. The course will culminate in a student-chosen IoT project, with options for going more deeply into the hardware, software, networking, programming, or cloud aspects of IoT Systems.

0101	Dennis Frezzo	Seats (Total: 20)
	Meets October 20, 2025 - December 12, 2025	
	Tu 4:00pm - 5:50pm	HBK 0302A

INST388O **"Maker Movement" Approach to Computing; Search Your Passion! Finding Good Information Online**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Informed by the "maker movement," this course allows students to merge their personal interests and hobbies with computing. This course is great for students new to computing who want to explore real world applications, or for more advanced students wanting an opportunity to engage in depth with a niche topic.

Learn advanced online search techniques based on Daniel Russell's book "The Joy of Search: A Google Insider's Guide to Going Beyond the Basics" and related concepts and approaches. Students will develop critical thinking skills and learn strategies for effective online research using their own interest or passion as the primary research topic in a fun, creative environment. Each class will include discussion on search-related concepts and techniques, in class practice with the techniques on a common topic, and a related homework assignment to research aspects of the student's selected interest.

0101	Mary Ann Francis	Seats (Total: 15)
	Meets September 2, 2025 - October 17, 2025	
	Th 11:00am - 12:50pm	PLS 1111

INST388P **"Maker Movement" Approach to Computing; Social Media Feed Algorithms**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Informed by the "maker movement," this course allows students to merge their personal interests and hobbies with computing. This course is great for students new to computing who want to explore real world applications, or for more advanced students wanting an opportunity to engage in depth with a niche topic.

Introduces students to the algorithms that drive social media feeds. We will look at the foundations of the algorithms themselves, the systems of user data collection that drives them, and the social and ethical implications of the algorithmic output. Topics will include user modeling, personalization, recommender systems, and basics of machine learning.

0101	Jennifer Golbeck	Seats (Total: 40)
	Meets October 20, 2025 - December 12, 2025	
	Class time/details on ELMs	ONLINE

INST388Q **"Maker Movement" Approach to Computing; Interactive Fiction**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Informed by the "maker movement," this course allows students to merge their personal interests and hobbies with computing. This course is great for students new to computing who want to explore real world applications, or for more advanced students wanting an opportunity to engage in depth with a niche topic.

Explores the design and development of interactive fiction (IF) using Twine, a popular open-source tool for nonlinear storytelling. The entire course will take place within a Twine scientific fiction story, The Vault of Stories. By working through The Vault, students will learn how to structure choice-based narratives, implement game mechanics, and incorporate multimedia elements. Emphasizing both theory and practice, the course will cover key IF narrative structures (cascade, recursive, hub-and-spoke, open map, and triggered progression) and technical features in Twine, like variables, conditional logic, inventory systems,and timed text. Students will analyze existing works of IF, experiment with Twine's advanced features, and develop their own interactive stories. By the end of the course, students will have a functional prototype of an interactive fiction project and a strong foundation in digital storytelling.

0101	Katherine Izsak	Seats (Total: 25)
	Meets September 2, 2025 - October 26, 2025	
	Class time/details on ELMs	ONLINE

INST388T **"Maker Movement" Approach to Computing; Human-AI Fiction Co-Writing**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Informed by the "maker movement," this course allows students to merge their personal interests and hobbies with computing. This course is great for students new to computing who want to explore real world applications, or for more advanced students wanting an opportunity to engage in depth with a niche topic.

Explores the dynamic process of co-writing fiction with artificial intelligence, utilizing Sudowrite as the primary tool. Students will learn how to blend their creativity with AI-generated content, creating stories that harness the strengths of both human and machine imagination. Through a series of practical exercises and guided projects, students will experiment with AI-assisted writing prompts, plot development, character creation, and narrative structures, refining their work through iterative collaboration. By the end of the course, students will have developed a unique co-written narrative, while also gaining insights into the ethical and creative implications of AI in storytelling.

0101	Katherine Izsak	Seats (Total: 25)
	Meets October 20, 2025 - December 12, 2025	
	Class time/details on ELMs	ONLINE

INST388U **"Maker Movement" Approach to Computing; Digital Music**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Informed by the "maker movement," this course allows students to merge their personal interests and hobbies with computing. This course is great for students new to computing who want to explore real world applications, or for more advanced students wanting an opportunity to engage in depth with a niche topic.

Explores the intersection of music and computation. Students will create original music using digital tools, experimenting with audio synthesis, algorithmic composition, and interactive music systems. No prior experience in digital music production or programming is required.

0101	Brian Gillikin	Seats (Total: 20)
	Meets September 2, 2025 - October 17, 2025	
	Th 5:00pm - 6:50pm	CCC 1115
	Class time/details on ELMs	ONLINE
	Meets online Sept. 11, Sept. 18, and Sept. 25.	

INST398F **Special Topics in Information Studies; Peer Learning in Computing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in information studies.

0101	Pamela Duffy, Vedat Diker	Seats (Total: 20)
	Tu 2:00pm - 3:15pm	HJP 2217
	Class time/details on ELMs	ONLINE
	Meets in-person on the following dates: September 2, September 30, October 28, and November 18	

INST402 **Designing Patient-Centered Technologies**

Credits: 3

Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- from INST362 or INST367. Restriction: Must be in Technology and Information Design or Information Science programs.

Companies have created a vast array of apps and other technologies for understanding managing personal health and wellness, but many of them have been created with little understanding of audience needs or potential ethical issues. Course introduces students to the unique challenges of studying people's health and wellness needs as well as designing and evaluating technologies to meet those needs.

0101	Elia Shahbazi	Seats (Total: 40)
	M 11:00am - 1:45pm	HBK 0115

INST406 **Cross Disciplinary Design Communication Lab**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in INST380; and a minimum grade of C- in Professional Writing General Education requirement. Restriction: Must be in the Technology and Information Design program.

Explores the world of communicating the ideas behind the things we make. In design, the product tends to be the prize: a manifestation of experience, sensibilities, and observations. But products do not always articulate a complete picture of what they are and how they came to be. Communication--speaking, writing, depicting, presenting to various audiences--is an under-leveraged component of design, connecting the product with emotion, process, context, and most importantly, the audience.

0101	Elia Shahbazi	Seats (Total: 40)
	M 2:00pm - 4:45pm	HBK 0302J

INST407 **Leading and Sustaining a Culture of Innovation**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Technology Innovation Leadership minor; or permission of INFO-College of Information Studies. Credit only granted for: INST408L or INST407. Formerly: INST408L.

Successful leaders know that the key to value creation and sustained growth lies in innovation -- continuously seeking opportunities to create value whether by launching new products and services, entering new markets, or rethinking key processes. This course will focus on the most efficient leadership strategies, change management, team motivation, technology team management for information management within organizations. We will examine some of the best ways to foster innovative behaviors within a team and organization. Students will engage with a course-long culture change challenge.

ESG1	Padric Mylod	Seats (Total: 60)
	Class time/details on ELMs	ONLINE
	Restricted to students in the Technology Innovation Leadership minor at USG.	

INST408B **Special Topics in Information Science; Designing for Impact: Community-Centered Projects through Monthly Heritage and Awareness Calendar**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in information studies.

Prerequisites: INST362 or INST367 This course introduces students to user research and agile design process inspired by heritage and awareness month themes. Students conduct fieldwork such as interviews, observations, and heuristic evaluations to explore community needs and cultural contexts. Using a modified Google Ventures Design Sprint, teams design and test real-world solutions in collaboration with community partners. Students will have opportunities to receive feedback from graduate student mentors through bi-weekly online check-ins and two in-person meetings, where they will present their workand gather input, while all students will gain hands-on experience working with external partners such as community leaders and cultural organizations. The course emphasizes teamwork, communication, and project management in hybrid and distributed environments to support meaningful impact in communities around us.

0101	Heera Lee	Seats (Total: 50)
	W 11:00am - 1:45pm	ESJ 2212

INST408G **Special Topics in Information Science; Do You Like Research?: Exploring Research in Information Science**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in information studies.

Restriction: Must be in the Information Science program or Technology and Information Design program. Introduces undergraduate students in Information Science to the world of research. Students will learn how to identify and formulate research questions, review and critique scientific literature, design and conduct experiments, analyze data, and effectively communicate research findings. The course emphasizes ethical considerations, the responsible use of AI and information tools in research, and the development of key competencies needed for engaging in research opportunities. This course is not recommended for students in their final semester.

0101	Eun Kyoung Choe	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	HBK 2105

INST408I **Special Topics in Information Science; Introduction to Cyber Intelligence**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in information studies.

0101	Zach Drake W 4:00pm - 5:45pm Class time/details on ELMs	Seats (Total: 50) ONLINE ONLINE	Discussion
ESG1	William Farmer Tu 5:30pm - 7:15pm	Seats (Total: 50) ONLINE	

INST408V **Special Topics in Information Science; Visual Design Studio**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in information studies.

This is a studio, project-based course primarily aimed at developing foundational, visual language and skills related User Experience Design. The course will offer students room to explore U/X from varied perspectives and design methodologies while introducing them to modern platforms and processes. Students will learn the entire U/X workflow as well as understand where U/X fits in the industry pipeline.

0101	Inika Jhamvar W 2:00pm - 4:45pm	Seats (Total: 30) HBK 0115

INST408Z **Special Topics in Information Science; Creative Coding**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in information studies.

This course studies computational and data-driven tools for writing poetry and fiction. The focus is on experimental writing with computers, including digital fiction and poetry. Students will also explore novel forms of collaboration with the computer, such as using an AI-generated passage of text as the seed for a more conventionally authored short story; writing a poem that contains lines and stanzas scored either ridiculously high or low by sentiment algorithms; using paper rather than screens as a medium for computational display.

0101	Kari Kraus TuTh 5:00pm - 6:15pm	Seats (Total: 25) ATL 1109

INST410 **Managing with Data and Simulations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in INST126 and STAT100; minimum grade of C- in PSYC100 or SOCY105; minimum grade of C- in INST201 or INST301; and minimum grade of C- in MATH115 or higher. Restriction: Must be in the Information Science or Technology and Information Design programs. Credit only granted for: INST408M or INST410. Formerly: INST408M.

General principles of modeling, data analysis, and decision-making methods. Approaches to evaluating and assessing effective concepts, methods, and procedures of modeling and data analysis for decision making in management, advocacy, and communication situations. Ethical considerations in management, advocacy, and communication situations in professional life.

0101	Pamela Duffy, Vedat Diker TuTh 3:30pm - 4:45pm	Seats (Total: 60) ESJ 2309	

INST414 **Data Science Techniques**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in MATH115 (or higher) and STAT100; and a minimum grade of C- from INST126 or GEOG276; and a minimum grade of C- from one of the following (INST201, INST301, or BSOS233); and a minimum grade of C- from one of the following (AASP101, ANTH210, ANTH260, ECON200, ECON201, GEOG202, GVPT170, PSYC100, or SOCY100); and a minimum grade of C- from BSOS233 or INST314. Recommended: Minimum C- in MATH140 and (INST326, BSOS326, or GEOG376). Restriction: Must be in Information Science or Social Data Science program. Jointly offered with: SDSI414. Credit only granted for: SDSI414 or INST414.

An exploration of how to extract insights from large-scale datasets. The course will cover the complete analytical funnel from data extraction and cleaning to data analysis and insights interpretation and visualization. The data analysis component will focus on techniques in both supervised and unsupervised learning to extract information from datasets. Topics will include clustering, classification, and regression techniques. Through homework assignments, a project, exams and in-class activities, students will practice working with these techniques and tools to extract relevant information from structured and unstructured data.

0101	Cody Buntain Tu 2:00pm - 3:15pm F 9:00am - 10:15am	Seats (Total: 40) SKN 0200 HBK 0302J	Discussion
0102	Cody Buntain Tu 2:00pm - 3:15pm F 10:30am - 11:45am	Seats (Total: 40) SKN 0200 HBK 0302J	Discussion
0201	Phuong Nguyen Le M 3:30pm - 4:45pm Th 9:30am - 10:45am	Seats (Total: 40) TWS 0310 HBK 0302J	Discussion
0202	Phuong Nguyen Le M 3:30pm - 4:45pm Th 11:00am - 12:15pm	Seats (Total: 40) TWS 0310 HBK 0302J	Discussion

0301	Maria Krupenkin TuTh 12:30pm - 1:45pm	Seats (Total: 40) ESJ 1309	

INST420 **Data Applications in Global Health**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in EPIB315 or INST314; or other upper-level statistics course. Recommended: GBHL200, SPHL100, or related coursework in global health, medical anthropology, or global politics and development. Restriction: Must have earned a minimum of 60 credits.

Explores the impact of data on global health research and practice. Identifies, analyzes and interprets health data on a global scale, and explores the distribution and utilization of data to impact public health outcomes. Topics include machine learning, geospatial analysis, data visualization and data ethics.

0101	Nekabari Sigalo M 9:00am - 10:15am Th 4:00pm - 4:50pm	Seats (Total: 35) ONLINE ESJ B0324	Lab
0102	Nekabari Sigalo M 9:00am - 10:15am Th 4:00pm - 4:50pm	Seats (Total: 5) ONLINE ESJ B0324	Lab

Restricted to students in the Global Health major.

INST437 **Information Architecture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: INST352.

An introduction to the fundamentals of information architecture and how it's used in the design of digital products and services and in cross-channel service design.

0101	Stacy Surla W 11:00am - 1:45pm	Seats (Total: 30) ONLINE	

INST441 **Digital Curation Ethics and Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- from INST341 or INST380. Restriction: Must be in the Information Science program or Technology and Information Design program.

Explores via case studies the legal, ethical, and technological challenges in developing and implementing policies for managing digital assets and information. Emphasizes access questions pertinent to managing sensitive information and the roles and responsibilities of information professionals.

0101	Irene Pasquetto	Seats (Total: 60)	
	TuTh 12:30pm - 1:45pm	TWS 0310	

INST442 **Digital Curation Across Disciplines**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed with a C- or higher, or be concurrently enrolled in INST341 or INST380. Restriction: Must be in the Information Science program or Technology and Information Design program.

Examines how to apply digital curation principles, tools, and strategies in managing diverse data collections and digital information in different disciplinary settings. Explores differences among data curation principles and practices across diverse settings, ranging from scientific organizations (such as business and academic research laboratories and computational science settings), to humanities-based institutions (such as cultural heritage organizations) to social science-based institutions (such as data-intensive professional environments).

0101	Katrina Fenlon	Seats (Total: 50)	
	TuTh 11:00am - 12:15pm	SQH 1120	

INST447 **Data Sources and Manipulation**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in STAT100 and INST327; and a minimum grade of C- from one of the following (INST201, INST301, BSOS233); and a minimum grade of C- from one of the following (AASP101, ANTH210, ANTH260, ECON200, ECON201, GEOG202, GVPT170, PSYC100, or SOCY100); and a minimum grade of C- from BSOS233 or INST314; and a minimum grade of C- from one of the following (BSOS331, GEOG273, or INST326). Restriction: Must be in Information Science or Social Data Science program.

Examines approaches to locating, acquiring, manipulating, and disseminating data. Imperfection, biases, and other problems in data are examined, and methods for identifying and correcting such problems are introduced. The course covers other topics such as automated collection of large data sets, and extracting, transforming, and reformatting a variety of data and file types.

0101	Wei Ai	Seats (Total: 40)	
	Th 12:30pm - 1:45pm	TMH 0301	
	Tu 12:30pm - 1:45pm	HBK 0302J	Discussion

0102	Wei Ai Th 12:30pm - 1:45pm Tu 2:00pm - 3:15pm	Seats (Total: 40) TMH 0301 HBK 0302H	Discussion
0103	Wei Ai Th 12:30pm - 1:45pm Tu 3:30pm - 4:45pm	Seats (Total: 40) TMH 0301 HBK 0302H	Discussion
0201	Matthew Patrick Class time/details on ELMs Tu 9:30am - 10:45am	Seats (Total: 40) ONLINE HBK 0109	Discussion
0202	Matthew Patrick Class time/details on ELMs Tu 11:00am - 12:15pm	Seats (Total: 40) ONLINE HBK 0109	Discussion
0203	Matthew Patrick Class time/details on ELMs Tu 12:30pm - 1:45pm	Seats (Total: 40) ONLINE HBK 0109	Discussion

INST451 **Consumer Health Informatics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in INST126 and STAT100; minimum grade of C- from PSYC100 or SOCY105; and minimum grade of C- from INST201 or INST301. Restriction: Must be in the Information Science program or Technology and Information Design program. Credit only granted for: INST408A or INST451. Formerly: INST408A.

Explores people's health-related information needs and whether, how, and why people seek out and use (or do not seek out and use) health information and the types of health information they find useful. We will also cover the important and interrelated topics of information avoidance, health behaviors, health literacy, digital health literacy, doctor-patient communication, and patient-to-patient communication through support groups and online communities. Throughout the course, we will also focus on the important concept of health justice - a world in which everyone has an adequate and equitable capability to be healthy.

0101	Beth St Jean M 2:00pm - 4:45pm	Seats (Total: 60) ANS 0408	

INST453 **Project Management for Information Science**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: BMGT485, ENCE320, ENCE325, INST408O or INST453. Formerly: INST408O.

Provides a comprehensive overview of project management, focusing on the needs of information resources (IR). The course covers the concepts and techniques for planning and execution of projects including developing work breakdown structure, estimating costs, managing risks, scheduling, staff and resource allocation, team building, communication, tracking, control, and other aspects of successful project completion.

ESG1	Mohammad Hanaee Th 5:30pm - 7:00pm Class time/details on ELMs	Seats (Total: 30) BLD3 4215 ONLINE
	Restricted to students in the BSIS @ USG Program and Technology Innovation Leadership Minor.	
ESG2	Mohammad Hanaee Th 5:30pm - 7:00pm Class time/details on ELMs	Seats (Total: 30) ONLINE ONLINE
	Restricted to students in the BSIS @ USG Program and Technology Innovation Leadership Minor.	

INST454 **Project Development Studio**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in INST104, INST126, INST204, and INST380; and must have completed or be concurrently enrolled in INST367. Restriction: Must be in the Technology and Information Design program.

Allows students to develop a self-selected project or product, such as a game UI system or a task management app, while building advanced design skills. Students bring an initial idea to the class, and through lectures, discussions, weekly critiques, and project milestones, they progress their concepts into tangible, public-facing work. Emphasizing industry-standard methodologies, the course focuses on three core activities: externalizing ideas, engaging in constructive critique, and documenting design decisions and progress. This hands-on approach fosters self-directed learning, collaborative reflection, and a comprehensive understanding of design and development.

0101	Wesley Lewis W 11:00am - 1:45pm	Seats (Total: 40) HBK 0302J

INST455 **Information Assurance and Compliance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: INST408U or INST455. Formerly: INST408U.

Examines the protection of organizational data, personalized information, intellectual property and the associated assurance of the data's transfer, storage and communication. Students will understand how to manage these concerns and respond to both emergent and existing threats within the information domain. We will look at the key principles of Information Assurance, compliance and best practices in the real world.

ESG1	Michael Prakhye	Seats (Total: 60)
	Class time/details on ELMs	ONLINE
	Restricted to students in the Information Science Program and the Information Risk Management, Ethics, and Privacy minor at USG.	

INST461 **Emerging Technologies and Risk Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: INST408Z or INST461. Formerly: INST408Z.

Focuses on how people and companies can achieve various tangible and intangible benefits and assess risk in using and incorporating emerging technologies (i.e. mobile devices, social media, robotic process automation, 3-D printing, cloud computing, blockchain technologies, artificial intelligence, etc.) into the activities and operations of a company.

ESG1	Arjav Shah	Seats (Total: 60)
	Class time/details on ELMs	ONLINE
	Restricted to students in the Information Science Program and the Information Risk Management, Ethics, and Privacy minor at USG.	

INST462 **Introduction to Data Visualization**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in STAT100; minimum grade of a C- from one of the following (INST201, INST301, or BSOS233); minimum grade of C- in INST126 or GEOG276; a minimum grade of C- from one of the following (AASP101, ANTH210, ANTH260, ECON200, ECON201, GEOG202, GVPT170, PSYC100, SOCY100, or SOCY105); and a minimum grade of C- from BSOS233 or INST314. Restriction: Must be in Information Science or Social Data Science program.

Exploration of the theories, methods, and techniques of visualization of information, including the effects of human perception, the aesthetics of information design, the mechanics of visual display, and the semiotics of iconography.

Students who wish to register should contact the College of Information Studies.

0101	Jesse Klein	Seats (Total: 140)
	TuTh 2:00pm - 3:15pm	EGR 1202

0201	Scott Jackson Tu 11:00am - 12:15pm Th 2:00pm - 3:15pm	Seats (Total: 37) JMZ 0220 HBK 0105	Discussion
0202	Scott Jackson Tu 11:00am - 12:15pm Th 3:30pm - 4:45pm	Seats (Total: 37) JMZ 0220 HBK 0105	Discussion
0203	Scott Jackson Tu 11:00am - 12:15pm Th 5:00pm - 6:15pm	Seats (Total: 37) JMZ 0220 HBK 0105	Discussion

INST463 **Technology Socialprenuer**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: INST398B or INST463. Formerly: INST398B.

Introduces students to the role of technology and entrepreneurship in our society. Students will be able to choose an existing society issue and develop creative entrepreneurial ideas to solve it using innovative technologies. The course allows students to meet industry professionals and learn more about various social problems and projects companies focus on and try to solve in the modern world. Students are also able to contribute to those solutions.

ESG1	Ryan Elza Class time/details on ELMs	Seats (Total: 60) ONLINE

Restricted to students in the Information Science Program at USG.

INST464 **Decision Making for Cybersecurity**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Must have earned a minimum grade of C- in INST201, INST126, MATH115, PSYC100, and INST364. Restriction: Must be in Information Science program. Credit only granted for: INST408W or INST464. Formerly: INST408W.

Discusses human and organizational decision making from a variety of perspectives. Applies different risk assessment and decision making frameworks that are relevant to personal and organization cybersecurity, with a focus on the quantitative Factor Analysis of Information Risk (FAIR) model. Considers monetary, social and societal costs of cybersecurity decisions. Considers a range of questions relating to cybersecurity, from whether to install a game on a smartphone to how to allocate scarce information security resources in an organization.

0101	Akshat Patel Th 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 50) VMH 1203 ONLINE	

INST466 **Technology, Culture, and Society**

Credits: 3 | Grading Method: Regular, Audit | General Education: DVCC

Prerequisite: Minimum grade of C- in INST201 or INST301; and minimum grade of C- in PSYC100 or SOCY105. Restriction: Must be in the Information Science program or Technology and Information Design program.

Individual, cultural, and societal outcomes associated with development of information & communication technologies (ICTs), including pro- and anti-social factors. Unpacking how gender, race, ethnicity, sexual orientation, disabilities, and political affiliations affect consumption and production of online experiences. Unpacking how structures of dominance, power and privilege manifest at individual, institutional and cultural levels.

0101	Alia Reza TuTh 9:30am - 10:45am	Seats (Total: 75) ATL 1113	
0102	Irene Pasquetto TuTh 11:00am - 12:15pm	Seats (Total: 75) ESJ 1202	
0103	Angel Jones MW 3:30pm - 4:45pm	Seats (Total: 75) PLS 1130	

INST480 **Technology Design Ethics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in INST204.

Recent years have seen increasing attention to technology design ethics: the steps necessary to ensure that technologies support (and don't undermine) human values, human rights, and human flourishing. But what ethical design looks like can vary based on contexts, industries, and individual workplaces. This course will explore, critique, and expand on tools meant to prioritize ethics in technology workplaces. We will experiment with, assess, and then create our own checklists, toolkits, games, and other creative interventions to make ethical conversations central to technology design.

0101	Katie Shilton M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 50) ONLINE ESJ 2212	 Lab

INST490 **Integrated Capstone for Information Science**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in INST311, INST314, INST326, INST327, INST335, INST346, INST352, and INST362. Restriction: Must be in Information Science program; and must have earned a minimum of 90 credits; and permission of INFO-College of Information Studies. Jointly offered with: INST491, SDSI492. Credit only granted for: INST490, INST491, or SDSI492.

The capstone provides a platform for Information Science students where they can apply a subset of the concepts, methods, and tools they learn as part of the Information Science program to addressing an information problem or fulfilling an information need.

0101	Tamara Clegg TuTh 3:30pm - 4:45pm	Seats (Total: 50) IRB 2207
0102	Mary Ann Francis Th 2:00pm - 4:45pm	Seats (Total: 50) CCC 1111
0103	TJ Rainsford M 11:00am - 1:45pm	Seats (Total: 50) TWS 1310
0104	TJ Rainsford M 5:00pm - 7:45pm	Seats (Total: 50) IRB 2207
0105	Jesse Klein W 5:00pm - 7:45pm	Seats (Total: 50) ONLINE
0107	Andrew Fellows TuTh 2:00pm - 3:15pm	Seats (Total: 50) IRB 2207
0109	Alla Levin MW 3:30pm - 4:45pm	Seats (Total: 50) IRB 2107

INST600 **Foundations for Librarians and Information Professionals**

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor. Credit only granted for: LBSC791 or INST600. Formerly: LBSC791.

An introduction to the field of library and information science (LIS), its history, and future direction that provides students with an understanding and appreciation of the nature and functions of the profession(s) they have entered. The focus is on core concepts underlying the LIS discipline, with particular emphasis on professional ethics/values, diversity, equity, inclusion and accessibility (DEIA), and the ways in which technology has shaped and continues to shape the field.

IM01	Ryan O'Grady M 6:00pm - 8:45pm	Seats (Total: 55) ESJ 2309
IM02	Amelia Gibson Class time/details on ELMs	Seats (Total: 40) ONLINE

INST604 **Introduction to Archives and Digital Curation**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

Overview of the principles, practices, and applications in the archival and digital curation fields.

IM01	Eric Hung Class time/details on ELMs	Seats (Total: 40) ONLINE
IM02	Melissa Wertheimer Tu 11:00am - 1:45pm	Seats (Total: 25) HBK 0105

INST607 **Government Information**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

An introduction to the nature and scope of government information (federal, state, and local). Tracing the ongoing efforts of government agencies to offer information, services, and resources online, this course also examines the nature and current impact of new technologies on participatory democracy. More specifically, the course explores information and communication technologies designed to make government more open and transparent; the design, implementation, and evaluation of new government and governance mechanisms, including through the use of social media and AI; the role of legal authorities and information institutions such as libraries in supporting access to government information; and the development and implementation of selected public facing online tools (e.g., data visualization, crowd-sourcing, etc.).

IM01	Jason Baron Class time/details on ELMs	Seats (Total: 30) ONLINE

INST608C **Special Topics in Information Studies; Using Network Visualization to Explore Library and Archive Collections**

Credits: 3 Grading Method: Regular, Audit

Covers special topics in information studies.

Graphs are helpful tools for showing and understanding connections between people, places, and events in library and archival materials. In this course, you'll learn how to identify important entities (like individuals or organizations), create visual "maps" of relationships, analyze these connections, and produce visual representations of complex data. These techniques allow you to uncover hidden relationships within collections, making it easier to interpret and discover new insights from archival and library materials.

IM01	Richard Marciano	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INST608E **Special Topics in Information Studies; Designing for Impact: Community-Centered Projects through Monthly Heritage and Awareness Calendar**

Credits: 3 Grading Method: Regular, Audit

Covers special topics in information studies.

Prepares graduate students to lead community-engaged design projects grounded in heritage and awareness month themes. It emphasizes advanced research methods, including literature reviews, contextual inquiries, and heuristic evaluations, agile prototyping, and mentorship of undergraduate design teams. Students collaborate with external partners to co-create solutions using a modified Google Ventures Design Sprint. Graduate students will have opportunities to mentor undergraduate teams through bi-weekly online check-ins and two in-person meetings where the undergraduate students will present their work and gather their input, while all students will gain hands-on experience working with external partners such as community leaders and cultural organizations. The course develops leadership, cross-disciplinary collaboration, and stakeholder communication skills in hybrid and distributed team settings to support meaningful impact in communities around us.

IM01	Heera Lee	Seats (Total: 20)
	W 11:00am - 1:45pm	ESJ 2212

INST608Q **Special Topics in Information Studies; Consumer Health Informatics**

Credits: 3 Grading Method: Regular, Audit

Covers special topics in information studies.

In this course, we investigate Consumer Health Informatics and Information Behavior, focusing most heavily on their intersection - Consumer Health Information Behavior. We explore people's health-related information needs and whether, how, and why people seek out and use (or do not seek out and use) health information. We also look at information avoidance, health behaviors, health literacy, digital health literacy, doctor-patient communication, and patient- to-patient communication. Throughout the course, we emphasize the importance of health justice - a world in which everyone has an adequate and equitable capability to be healthy. We will identify populations that experience social injustice and explore information-related factors that contribute to the health inequities they face and the resulting consequences. Our central aim in the course is to conceive of ways to facilitate people's access to health information and their health-related information seeking, and to promote health justice for all.

IM01	Beth St Jean	Seats (Total: 5)
	M 2:00pm - 4:45pm	ANS 0408

INST610 **Information Ethics**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

Investigation of the diverse range of ethical challenges facing society in the information age. Ethical theories, including non-Western and feminist theories. Application of theories to information ethics issues.

IM01	Paul Bazile	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INST613 **Information and Human Rights**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

An examination of information as a human right, including topics: social, cultural, economic, legal, and political forces shaping information rights; the impact of information rights on information professions, standards, and cultural institutions; and information rights and disadvantaged populations.

IM01	Paul Jaeger	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INST615 **Information Professionals and the Law**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

An exploration of the interrelated issues of the provision of and information literacy about legal information by information organizations and the impacts of legal issues, such as privacy and filtering, on the practice of information organizations that serve the public.

IM01	Ursula Gorham-Oscilowski	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INST620 **Diverse Populations, Inclusion, and Information**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

Importance of equality of information access. Social, political, and technological barriers to information. Information needs of diverse and underrepresented populations. Principles of inclusive information services.

IM01	Renee Hill	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INST624 **Modern Techniques for Software Development**

Credits: 3 Grading Method: Regular, Audit

The ability to create useful, practical software to solve problems is a crucial tool in the information professional's toolbox. At the same time, while many fundamental concepts remain constant, workflows and capabilities change over time in a shifting landscape of tools, platforms, and frameworks. The overall goal of this course is to provide students with a foundation of concepts as well as training in a set of specific tools, to empower them to continue to write useful, trustworthy software. Students will develop competencies to prepare them for advanced courses in data science, analytics, and/or cybersecurity.

IM01	Scott Jackson	Seats (Total: 40)
	TuTh 9:30am - 10:45am	ESJ 1309

INST627 **Data Analytics for Information Professionals**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor. Additional information: This course is structured around R as the main software package.

An overview of data science, with a focus on the application of inferential statistics to structured datasets. These methods help transform raw data into usable information. Topics include: data processing, descriptive statistics, statistical tests, and multiple regression.

IM01	Christopher Antoun	Seats (Total: 40)
	Tu 6:00pm - 8:45pm	HBK 0103
IM02	Christopher Antoun	Seats (Total: 10)
	Class time/details on ELMs	ONLINE
	This online section is reserved for GEM/Data Journalism students.	

INST630 **Programming Human-Centered Interfaces**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

An introduction to the development and programming of user interfaces intended for students interested in human-computer interaction. Topics include fundamentals of programming, history and current trends in user interface implementation that are relevant to information professionals.

IM01	Alex Leitch Th 2:00pm - 4:45pm	Seats (Total: 30) HBK 0302H
IM02	David Patrick F 2:00pm - 4:45pm	Seats (Total: 30) ONLINE

INST631 **Fundamentals of Human-Computer Interaction**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor. Additional information: Enrollment is prioritized for HCIM students. Remaining seats may be filled with permission from the INFO program or the instructor.

Principles of human-human and machine-machine communication as a basis for models of human-computer communication. Issues related in input/ output devices, conceptual models, levels of control, metaphor and personification, adaptability, and intensionality/extensionality.

IM01	Caro Williams-Pierce Tu 6:00pm - 8:45pm	Seats (Total: 25) HBK 0302H
IM02	Caro Williams-Pierce Th 2:00pm - 4:45pm	Seats (Total: 25) HBK 2119

INST639N **Practical Skills in HCI; Accessibility Evaluation Workshop**

Credits: 1 Grading Method: Sat-Fail, Audit

Current industry practice in the HCI and UX field involves being familiar with many practical skills and specialized software. In this repeatable course, HCIM students will be able to acquire some of these vital practical skills in order to be better prepared for joining industry upon graduation. Furthermore, this will also be an opportunity for students to develop their portfolio for future job hunts. Offered in both Fall and Spring semesters, the intention is for these "practical skills" to be taught by professional instructors with expert knowledge. The content of the course will vary from semester to semester, but here is a sample of topics: Graphic and visual design and communication; UX design and research in games; Voice and gestures; UX mockups and wireframing tools; Practical web design and technologies; UX project management software.

IM01	Rachael Bradley-Montgomery M 6:00pm - 7:00pm Class time/details on ELMs	Seats (Total: 15) PLS 1158 ONLINE

INST643 **Curation in Cultural Institutions**

Credits: 3 Grading Method: Regular, Sat-Fail

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

An overview of the principles, practices, and current debates in the management, care and representation of digital artifacts in libraries, archives, and museums.

IM01	Jessica Grimmer	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

INST650 **Facilitating Youth Learning in Formal and Informal Environments**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

The historical, organizational, and contemporary contexts of formal and informal learning spaces; the principles of teaching, learning, and information literacy that underlie the formal and informal learning spaces; and the leadership role that information professionals can play within their schools, libraries and communities.

IM01	Kevin Washburn	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INST651 **Promoting Rich Learning with Technology**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

Exploration of how technology can be used to promote rich learning experiences, with a particular focus on youth populations. Assessment of the how, when, and why of infusing technology into the teaching and learning process.

IM01	Francesca Polito	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INST653 **Introduction to Museum Scholarship**

Credits: 3 Grading Method: Regular, Audit

Cross-listed with: AMST655, ANTH655, HIST610. Credit only granted for: AMST655, ANTH655, HIST610, INST728T or INST653.

Provides students a basic understanding of museums as cultural and intellectual institutions. Topics include the historical development of museums, museums as resources for scholarly study, and the museum exhibition as medium for presentation of scholarship.

0201	Diana Marsh	Seats (Total: 30)
	Th 2:00pm - 4:40pm	HJP 2217

INST661 **Introduction to Game, Entertainment, and Media Analytics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of the instructor.

With the continuing global growth in the Game, Entertainment, and virtual/augmented reality and immersive experiences industries, entertainment providers increasingly depend on data analytics to maintain a competitive edge while continuing to improve the customer experience. This course provides an overview of the Game, Entertainment, and Media (GEM) industries, discuss the relationships between the entertainment providers and the entertainment consumers, and explore the analytical techniques used to maximize the overall value to both the providers and consumers. The course will focus on the uses of analytics methods such as personalization, recommendation, clustering and segmentation, behavioral analytics, etc., will discuss core data management and data architecture concerns, and examine how big data infrastructure can support scalability as data volumes grow and as streaming speeds accelerate. In addition we review socio-technical aspects of entertainment, especially in the areas of cyberpsychology, social networks, and information policy concerns such as privacy protection, fraud, equity, and national security concerns.

IM01	Jesse Klein	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

INST700 **Information Architecture**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: INST639L or INST700. Formerly: INST639L.

An introduction to the fundamentals of information architecture and how it's used in the design of digital products and services and in cross-channel service design.

IM01	Stacy Surla	Seats (Total: 20)
	W 11:00am - 1:45pm	ONLINE

INST704 **Inclusive Design in HCI**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INST631. Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

An introduction to inclusive technology design, that is, the design and evaluation of user interfaces for diverse users and use contexts. Building on basic concepts in human-computer interaction, students will learn about design exclusion and barriers to use, and methods by which these can be overcome. Assistive input and output technologies will also be covered. Populations include older adults, users with visual, cognitive or motor impairments, users who are deaf or hard of hearing, children, users in low resource contexts, and users in mobile contexts. Research trends and practical design considerations (e.g., web accessibility requirements) will be covered. Students will interact with the material through readings, discussion, and individual and group assignments.

IM01	Hernisa Kacorri	Seats (Total: 30)
	Tu 11:00am - 1:45pm	HBK 0115

INST709 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Intensive individual study, reading, or research in an area of specialized interest under faculty supervision. Registration limited to the advanced student with the approval of the advisor and of the faculty member involved.

Contact department for information to register for this course.

INST710 **User Experience Research Methods**

Credits: 3 Grading Method: Regular

Students will learn to conduct user research in industry and to provide foundational knowledge needed for academic research. It examines the theoretical and epistemological differences between research paradigms and provides an overview of qualitative, quantitative and mixed-method approaches. It overviews user-centered design (UCD) methods, and uses Contextual Inquiry/Contextual Design as the backbone for a research project, incorporating related formative UCD methods and techniques. It is a project-based course, where students conduct a semester-long project to prepare them for the HCIM Capstone as well as other types of formative user research.

Restriction: For students in HCIM program only.

IM01	Stephanie Valencia Valencia	Seats (Total: 40)
	W 2:00pm - 4:45pm	HBK 0302J

INST711 **Interaction Design Studio**

Credits: 3 Grading Method: Regular, Audit

Additional information: Enrollment is prioritized for HCIM students. Remaining seats may be filled with permission from the INFO program or the instructor.

Covers basic interaction design principles and design process from a studio-based design perspective. Focuses on how to design for interactions that will resonate with your audiences: how the features and functions of a project get translated into something people find usable, useful, and desirable. Explores the role of interaction designers. Students design and prototype interactive products, systems, and services.

IM01	Alex Leitch Tu 2:00pm - 4:45pm	Seats (Total: 25) HBK 0302J
IM02	Kirtana Kalavagunta W 6:00pm - 8:45pm	Seats (Total: 25) ESJ 1202

INST728F **Special Topics in Information Studies; Generative AI in UX: Transforming UX Practice**

Credits: 3 Grading Method: Regular, Audit

Selected topics in information studies.

Generative AI is rapidly redefining HCI practice. We ll cover the uses, limitations, and potential of LLMs like ChatGPT and image generators, developing strong prompting skills, such as AI-driven ideation, persona analysis, simulation, and narrative methods. You ll learn to engage deeply and critically with the end-to-end UX process through AI tools and to design generative AI experiences.

IM01	Tom Brinck M 2:00pm - 4:45pm	Seats (Total: 30) ONLINE

INST735 **Natural Language Processing**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in CMSC422; and permission of CMNS-Computer Science department. Cross-listed with: CMSC723, LING723. Credit only granted for: CMSC723, LING723, or INST735. Additional information: CMSC students may only receive PhD Comp. credit for CMSC723 or CMSC823, not both.

Introduce fundamental concepts, techniques, and algorithms for the computational handling of natural language. Statistical and machine learning techniques, models, and algorithms that enable computers to deal with the ambiguity and implicit structure of human language. Approaches that focus on uncovering linguistic structure, such as syntactic or semantic parsing, as well as those that focus on manipulating text in useful ways, such as question answering or machine translation.

0101	Mohit Iyyer MW 2:00pm - 3:15pm	Seats (Total: 38) IRB 0318

PJ01	Mohit Iyyer	Seats (Total: 42)
	MW 2:00pm - 3:15pm	IRB 0318
	Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

INST737 **Introduction to Data Science**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INST627; and (LBSC690, LBSC671, or INFM603). Or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Computers have made it possible, even easy, to collect vast amounts of data from a wide variety of sources. It is not always clear, however, how to use those data and how to extract useful information from them. This problem is faced in a tremendous range of scholarly, government, business, medical, and scientific applications. This course will provide students with an overview of the different components of the Data Science pipeline and with practical skills to implement it. Data Science is by nature an applied science. This course will use real datasets from open data sources and data challenges from a variety of disciplines to immerse students in real Data Science settings and to teach them about the challenges that arise when working with complex, imperfect data.

IM01	Naeemul Hassan	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

INST752 **Location Intelligence**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INFM600, INFM603, INST630, and INST733; or permission of INFO-College of Information Studies.

Provides a comprehensive overview of the principles of geographic information systems and location analytics for a variety of business scenarios. Explores the processes for integrating location information, maps, and demographic information with business information and implementing analytical applications. Reviews business contexts such as government and citizen analysis, zoning and planning, retail site selection, supply chain management and logistics, fieldservice planning and tracking, real estate, insurance, public safety, municipal maintenance, and others. Provides hands-on opportunities to apply location intelligence methods.

IM01	Patricia Bunnell	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

INST753 **Data Governance and Data Quality**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INFM600, INFM603, and INST733; or permission of INFO-College of Information Studies.

Surveys the methods and practices for understanding the relationship between organizational performance objectives and their effective oversight, use, and management of information. Examines methods for instituting information governance, data governance, and data quality in the context of information policies for assessing information risk, observing data policies, and enforcing accountability for protection of sensitive information. Explores models of data ownership and accountability, roles and responsibilities for data governance and data stewardship, and processes for soliciting and documenting information and data requirements. Covers techniques for data quality assessment, specification of data quality rules, and applications for validating compliance with data quality expectations, monitoring levels of data quality, and notifications and dashboards for monitoring data compliance.

IM01	Jonathan Adams Tu 4:45pm - 6:00pm	Seats (Total: 30) ONLINE

INST754 **Data Integration and Preparation for Analytics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INFM600, INST630, and INST733; and (INFM603 or JOUR652) ; or permission of INFO-College of Information Studies.

Provides a comprehensive overview of the end-to-end processes for acquiring, ingesting, managing, cleansing, transforming, and integrating data sources for the purposes of reporting, analytics, and visualization. Concepts include data acquisition, data streaming, data staging, standardization, Data Profiling, data cleansing, data quality, concept and metadata harmonization, transformation, data warehousing, data governance, data modeling, and data visualization. Students will learn how ingested data sets can be transformed, integrated, and prepared for analytical use with dashboards and visualization.

IM01	Faisal Quader Th 11:00am - 1:45pm	Seats (Total: 30) HBK 0115
IM02	Faisal Quader Class time/details on ELMs	Seats (Total: 10) ONLINE

INST760 **Data Visualization**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INST630; or INFM603; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Introduction to the science and technology of data visualization--the graphical representation of data to aid understanding--and includes both theoretical foundations as well as practical applications of integrated visualization techniques on real-world problems. Application of these techniques to state-of-the-art problem domains within research, society, and industry.

IM01	Zach Drake W 2:00pm - 4:45pm	Seats (Total: 30) PLS 1117
IM02	Zach Drake Class time/details on ELMs	Seats (Total: 10) ONLINE

INST771 **Foundations of Cybersecurity**

Credits: 3 Grading Method: Regular, Audit

Explores the foundational concepts of cybersecurity including the Threat Landscape, the evolution and structures of the global telecommunications network, key communication protocols and foundations of networks, the history, culture and emergence of the hacking process, and the core motivations and tactics of threat actors.

IM01	Waqas Shah Class time/details on ELMs W 2:00pm - 4:45pm	Seats (Total: 25) ONLINE ONLINE

INST775 **HCIM CAPSTONE PREP**

Credits: 3 Grading Method: Regular

Prerequisite: INST631, INST632, and INST717; and must have completed Research Methods; and permission of INFO-College of Information Studies. Or permission of instructor. Restriction: Must be taken in the fall semester of the year in which the student plans to graduate; and permission of INFO-College of Information Studies.

Students will define a project, which requires a high level of background research, rigor in execution and evaluation, and documentation. Capstone projects may follow the design, prototyping and evaluation process from end-to-end or may focus on a subset of elements in that process, such as formative study and design.

IM01	Stacy Surla M 3:00pm - 5:45pm Th 3:00pm - 5:45pm	Seats (Total: 25) HBK 0302H ONLINE
IM02	Galina Reitz Tu 6:00pm - 8:45pm Th 3:00pm - 5:45pm	Seats (Total: 25) HBK 0302J ONLINE

INST779 **Readings Seminar; Readings Seminar**

Credits: 1 Grading Method: Regular

Readings in emerging topics. Through readings and discussion the class will critically assess future directions and highlight intersection points with other disciplines (e.g., medicine) and sub-disciplines of information studies and computer science (e.g., information retrieval, computer vision, machine learning). One or more themes will be covered over the semester (e.g., inclusive design, health informatics, environmental sustainability, social networking) and will be chosen based on instructor and student interest.

Cross-listed with INST828. Credit only granted for INST828 or INSt779.

0101	Ana Ndumu	Seats (Total: 10)
	Tu 11:00am - 11:50am	HBK 0302J
	Immigration and information: How information actors, attitudes, and devices influence immigrant integration.	

INST782 Arrangement, Description, and Access for Archives

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INST604; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Introduction to the key concepts and practices involved with arrangement and description of archives, and the techniques appropriate to enable users to access archival information in traditional and nontraditional archival contexts.

IM01	Jordon Steele	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INST784 Digital Preservation

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INST604; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Issues and practices regarding digitization of analog materials and preservation of digital materials, both digitized and born digital.

IM01	Chad Doran	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INST787 Museum Scholarship Practicum

Credits: 3-6 Grading Method: Regular

Prerequisite: AMST856, ANTH856, or HIST810. Restriction: Permission of Museum Scholarship Program required. Cross-listed with: AMST857, ANTH857, HIST811. Credit only granted for: AMST857, ANTH857, HIST811, INST728I or INST787.

Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

IM01	Paul Jaeger	Seats (Total: 12)
	Contact instructor or department for details.	

INST798 **Seminar in Research Methods and Data Analysis**

Credits: 3 Grading Method: Regular, Audit

Topics and issues in information studies research. Design and conduct of research project.

IM01	Amanda Lazar	Seats (Total: 10)
	Th 2:00pm - 4:45pm Class time/details on ELMs	PLS 1117 ONLINE
	Constructivist Grounded Theory Analysis: With a focus on constructivist analytic methods, students will learn how to conduct qualitative research on subjective experiences with information technologies.	
IM02	Julia Mendelsohn	Seats (Total: 10)
	Th 2:00pm - 4:45pm	ATL 1434
	Computational Text Analytics using Python	

INST799 **Master's Thesis Research**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Contact department for information to register for this course.

INST801 **Theoretical and Epistemological Foundations in Information Studies**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: INST888 or INST801. Formerly: INST888.

Pursuing a doctorate in information studies involves the scholarly examination of the interaction between people, information, technology, and society. There are, however, as many ways to examine the interaction of people, information, technology, and society as there are researchers and ways of understanding what counts as evidence and knowledge in different components of the field. Students will be introduced to the diverse scholarly traditions that comprise information studies. Students will explore why there are so many ways of knowing and methods of discovery within the field, in order to help them identify the social theory and methods that will support their path through information scholarship.

0101	Yiwei Xu M 2:00pm - 4:45pm	Seats (Total: 15) PLS 1164

INST808 **Seminar in Research Methods and Data Analysis**

Credits: 3 Grading Method: Regular, Audit

Topics and issues in information studies research. Design and conduct of research project.

IM01	Amanda Lazar Th 2:00pm - 4:45pm Class time/details on ELMs	Seats (Total: 10) PLS 1117 ONLINE
	Constructivist Grounded Theory Analysis: With a focus on constructivist analytic methods, students will learn how to conduct qualitative research on subjective experiences with information technologies.	
IM02	Julia Mendelsohn Th 2:00pm - 4:45pm	Seats (Total: 10) ATL 1434
	Computational Text Analytics using Python	

INST809 **Individualized Teaching Experience**

Credits: 3-5 Grading Method: Regular, Audit, Sat-Fail

Introduction to the techniques and challenges associated with design, delivery, and evaluation of couses offered at the University level. The doctoral student will work one-on-one with a faculty member in the development and co-teaching of a graduate level course.

0197	Amanda Lazar Contact instructor or department for details.	Seats (Total: 5)

INST818 **Individual Research Experience**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Pre-candidacy individual research experience directed by a faculty member.

Contact department for information to register for this course.

INST828 **Readings Seminar**

Credits: 1 Grading Method: Regular, Audit

Readings in emerging topics. Through readings and discussion the class will critically assess future directions and highlight intersection points with other disciplines (e.g., medicine) and sub-disciplines of information studies and computer science (e.g., information retrieval, computer vision, machine learning). One or more themes will be covered over the semester (e.g., inclusive design, health informatics, environmental sustainability, social networking) and will be chosen based on instructor and student interest.

Cross-listed with INST779. Credit only granted for INST828 or INSt779.

0101	Ana Ndumu	Seats (Total: 10)
	Tu 11:00am - 11:50am	HBK 0302J
	Immigration and information: How information actors, attitudes, and devices influence immigrant integration	
0104	Jessica Vitak	Seats (Total: 13)
	Th 11:00am - 11:50am	HBK 2116
	Proseminar for first-year INFO PhD students: Developing knowledge and practical skills for a successful PhD	

INST878D **Special Topics in Information Studies; Governing Algorithms & Algorithmic Governance**

Credits: 3 Grading Method: Regular, Audit

Seminar topics offered as faculty and student interests warrant. Topic varies.

Cross-listed with CMSC839C. Credit only granted for INST878D or CMSC839C. This cross-cutting interdisciplinary course, taught jointly between the College of Information Studies and the Department of Computer Science, investigates the role that algorithms and automated decision-making systems play in markets, societies, and policymaking. The course connects policy and computational conceptualizations of transparency, security, fairness, privacy, manipulation, and accountability through a series of casestudies and burning debates. Students will collaborate cross-disciplinary and be encouraged to work through difficult trade-offs to reach consensus. By discussing recent applications of algorithms for social and consumer sorting, and the moderation and generation of content, students will engage with the pressing challenges and opportunities in the governance of and by algorithms.

0101	Lee Tiedrich, Gabriel Kaptchuk	Seats (Total: 18)
	Tu 11:00am - 1:45pm	HBK 1108

INST878O **Special Topics in Information Studies; Research Seminar on Computer-Supported Cooperative Work (CSCW)**

Credits: 3 Grading Method: Regular, Audit

Seminar topics offered as faculty and student interests warrant. Topic varies.

This seminar is designed to familiarize students with the theoretical underpinnings and empirical practices of CSCW research across ten distinct topics, equipping them to develop and refine their self-initiated research projects in this field.

0101	Ge Gao	Seats (Total: 20)
	Tu 2:00pm - 4:45pm	HBK 0105

INST878W **Special Topics in Information Studies; Access, Accessibility, and Equity**

Credits: 3 Grading Method: Regular, Audit

Seminar topics offered as faculty and student interests warrant. Topic varies.

Examines the central roles of equitable access and accessibility of information and technology in society. Exploring these issues in contexts of government, commerce, social services, and other spaces, this course introduces the social, cultural, financial, and educational impacts of equitable and inequitable access and accessibility of information and technology. This course will introduce numerous ways to promote equitable access and accessibility of information and technologythrough institutional leadership and the accompanying positive benefits to the institution.

0101	Paul Jaeger	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INST878Y **Special Topics in Information Studies; Race & Data**

Credits: 3 Grading Method: Regular, Audit

Seminar topics offered as faculty and student interests warrant. Topic varies.

This course explores the role of race and racism in the collection, analysis, and production of data across various social scientific methods (eg, surveys, ethnography) and topical domains (eg, biosciences,criminology).

0101	Daniel Greene	Seats (Total: 20)
	Tu 2:00pm - 4:45pm	JMZ 0208

INST898 **Pre-Candidacy Research**

(Perm req)

Credits: 3 Grading Method: Regular

Contact department for information to register for this course.

INST899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ISRL Israel Studies Fall 2025

ISRL249C **Selected Topics in Israel Studies; Contemporary Israel: History and Society**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present. Future offerings may address history, politics, or culture.

Contact department for information to register for this course.

ISRL249D **Selected Topics in Israel Studies; Women in Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present. Future offerings may address history, politics, or culture.

Contact department for information to register for this course.

ISRL249E **Selected Topics in Israel Studies; Writing Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present. Future offerings may address history, politics, or culture.

Contact department for information to register for this course.

ISRL249J **Selected Topics in Israel Studies; Start-up Nation? Tech Entrepreneurship in Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present. Future offerings may address history, politics, or culture.

This interdisciplinary course will explore the unique ecosystem that has contributed to the creation and success of the Israeli tech sector. The course addresses cultural, historical, and social factors and examines key moments and individuals in the country's startup landscape. Through case studies, guest lectures, and interactive projects, students will gain practical insights into entrepreneurship. The course also addresses the ethical considerations and social impacts of entrepreneurship in Israel, providing a well-rounded understanding of the complexities of starting a business in this dynamic environment. Cross-listed with ECON298I and BMGT298L. Credit will be only granted for ISRL249J, ECON298I, or BMGT298L.

0101	Aner Tal	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ONLINE

ISRL249M **Selected Topics in Israel Studies; Israeli Culture in Television, Film and Music**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present. Future offerings may address history, politics, or culture.

Cross-listed with HEBR249C. Credit only granted for ISRL249M or HEBR249C. Modern Israeli film, television and music through a cultural and historical lens. Taught in Hebrew.

0101	Aliza Sandalon	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

ISRL344 **The Israeli Settler Movement: The Road to One State?**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

Cross-listed with: JWST332, HIST381. Credit only granted for: HIST329G, HIST381, ISRL329G, ISRL344, JWST332 or JWST319N. Formerly: JWST319N.

Explores the Israeli settler movement over the last four decades, from its position on the fringes of Israeli society in the 1970s and 1980s to its rise to prominence in Israeli politics today. Topics will include the history of the Israeli settlement project in the West Bank, the emergence of Gush Emunim and its ideological foundations in Jewish messianism, its violent offshoots, and the influence of the settler movement on the Israeli political system. Study of these topics illuminates some of the most important driving forces of modern history such as nationalism, religious fundamentalism, colonialism and the ability of a determined minority to influence a country's policies.

0101	Shay Hazkani	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TYD 1132

ISRL349A **Investigating Topics in Israel Studies; The Psychology of Conflict Resolution**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.

Contact department for information to register for this course.

ISRL349B **Investigating Topics in Israel Studies; Arab-Israeli Relations**

Credits: 3-6 Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.

Contact department for information to register for this course.

ISRL349G **Investigating Topics in Israel Studies; Tzahal: The Israeli Military in State, Society, and its Middle Eastern Context**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.

Crosslisted with GVPT368F. Credit only granted for ISRL349G or GVPT368F. This course offers an introduction to general concepts of civil-military relations with a strong focus on the Israeli case. Situating Israel within the Middle East context, the course readings and class discussions will include comparative references to major regional players, such as Egypt, Turkey, Iran, and the Arab Gulf States. The military is a salient feature of all Middle Eastern states; we will explore how Israel both resembles and differs from other states in the region regarding the role of its military and of civil-military relations.

0101	Marwa Maziad	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ONLINE

ISRL349T **Investigating Topics in Israel Studies; Israel, Middle East Security, and WMD Proliferation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.

Cross-listed with GVPT368T. Credit only granted for ISRL349T or GVPT368T. This course addresses one of Israel's main security concerns:the spread of nuclear, chemical, and biological weapons in the Middle East. It analyzes in-depth the political dynamics that lead to proliferation dangers in the region and the possible Israeli responses to proliferation, such as deterrence, military strikes, prevention, preemption, and defense.

0101	Elli Lieberman	Seats (Total: 35)
	TuTh 9:30am - 10:45am	KEY 0102

ISRL349Y **Investigating Topics in Israel Studies; Environmental and Sustainable Development in Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.

Cross-listed with GVPT368K. Credit only granted for ISRL349Y or GVPT368K. Relationships between the environment and different communities that share it, specifically in and around Israel, given the negative effects of climate change and environmental degradation throughout the Middle East. We will examine the ecological and environmental challenges Israel has faced over the years, the many innovative ways in which it has worked to overcome these challenges, and the tasks that still lie ahead. Finally, we will look at the nexus between sustainable development and sustainable peace within and between diverse communities.

0101	Adina Friedman	Seats (Total: 35)
	Th 5:00pm - 7:30pm	ONLINE

ISRL369C **Special Topics in Study Abroad; Israeli Society in Israeli Cinema**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ISRL372 **Jewry of Muscle: Zionism and Jewish Masculinity**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Cross-listed with: JWST372. Credit only granted for: JWST319K, ISRL329K, JWST372 or ISRL372. Formerly: JWST319K or ISRL329K.

Part of the Zionist cultural project involved creating a new Jewish masculinity that would replace the diasporic "sissy Jew" with a strong, healthy new "Jewry of Muscle." Using literary and cinematic sources, we will analyze how these Zionist and Israeli cultural productions served to build (and sometimes undermine) this new model of Jewish masculinity.

0101	Shirelle Doughty	Seats (Total: 40)
	MW 3:30pm - 4:45pm	ONLINE

ISRL380 **Israel: Politics and Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ISRL329C, ISRL380, or GVPT368D. Formerly: ISRL329C .

Addresses the main issues in Israeli politics and society by focusing on the role of Zionism in the Jewish state, the institutional foundations of Israeli democracy, the main political parties and blocs and their different ideological principles and visions, as well as the main social groups, movements, and institutions that comprise Israeli civil society.

Cross-listed with GVPT368D.Credit only granted for ISRL380 or GVPT368D.

0101	Ilai Saltzman	Seats (Total: 35)
	MW 2:00pm - 3:15pm	HJP 2217

ISRL448M **Seminar in Israel Studies; War and Peace Discourse in Israel, 1967 to the Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Intensive study of an Israel Studies topic. Expected work product is a substantial research or analysis paper or appropriate equivalent.

Cross-listed with GVPT368U. Credit will be only granted GVPT368U or ISRL448M. This course focuses on a unique discourse in Israel, 'war-normalizing discourse', a set of linguistic, discursive, and cultural devices that blur the anomalous characteristics of war by transforming war into a "normal" part of life. The course will examine the reciprocal relations between this discourse, Israeli culture and society, and foreign policy.

0101	Elie Friedman MW 3:30pm - 4:45pm	Seats (Total: 30) TWS 0221

ISRL448R **Seminar in Israel Studies; Introduction to Human Rights in Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Intensive study of an Israel Studies topic. Expected work product is a substantial research or analysis paper or appropriate equivalent.

Cross-listed with GVPT368R. Credit only granted for ISRL448R or GVPT368R. Provides an overview of how the State of Israel deals with human rights of its citizens, and also non-citizens over which it has control. It will introduce Israel s legal system, human rights record, and its methods of dealing with human rights violations, including those impacting the Arab minority in Israel, women's rights, and those of the Palestinians in the Occupied Territories.

0101	Morad Elsana W 6:00pm - 8:30pm	Seats (Total: 25) VMH 1203

ITAL Italian Fall 2025

ITAL103 **Intensive Elementary Italian**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate World Language Placement (WLP) score. Restriction: Not open to fluent/native speakers of Italian. Credit only granted for: ITAL103 or ITAL121.

Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0201	Mirella Vaglio TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 18) JMZ 1124 ONLINE
0301	Joseph Falvo MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 18) JMZ 2120 ONLINE

ITAL169C **Special Topics in Study Abroad I; Italian Conversation**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ITAL169E **Special Topics in Study Abroad I; Elementary Italian I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ITAL169R **Special Topics in Study Abroad I; Introduction to Italian Language and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ITAL203 **Intensive Intermediate Italian**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: ITAL103; or must have appropriate World Language Placement (WLP) score. Restriction: Must not have completed ITAL122; and must not be a fluent/native speaker of Italian. Credit only granted for: ITAL203 or ITAL122.

Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

Contact department for information to register for this course.

ITAL204 **Advanced Intermediate Italian**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: ITAL203 or equivalent; or must have appropriate World Language Placement (WLP) score.

An intensive study of Italian language and culture. This course completes the sequence of ITAL 103 and 203. After a brief review of important material of Intermediate Italian (ITAL 203), we will cover the last four chapters of Parliamo italiano (Unita 9-12). ITAL 204 is designed to reinforce and deepen the students' knowledge of Italian and its idiomatic usage, and to improve their reading and writing skills through a more in-depth study of more complex grammatical forms. Students are encouraged to practice Italian using grammatical concepts in an active manner. There will be oral and written exercises, short readings, and vocabulary expansion. Special attention will be given to readings, oral comprehension and written compositions. To improve their listening and reading comprehension, students will also view and analyze film clips, and read short articles in newspapers and magazines on current events and global issues pertaining to Italy and the European Union.

0101	Federica Soddu	Seats (Total: 18)
	MWF 1:00pm - 1:50pm	JMZ 1120

ITAL207 **Speaking and Writing in Italian**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: ITAL204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Italian.

An intensive upper intermediate language course that focuses on Italian speaking and writing. The course, which is taught entirely in Italian, is designed to reinforce and deepen the students' knowledge of the Italian language and its idiomatic usage, and to improve their speaking ability and listening comprehension. Students will be given practice both in speaking extemporaneously and giving oral reports written on a wide range of topics dealing with contemporary Italy. One of the main objectives of the course is to prepare students to take upper level courses (300-400 levels) in Italian language, literature, and culture

Contact department for information to register for this course.

ITAL211 **Intermediate Conversation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: ITAL203; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Italian.

Practice in spoken Italian based on reading and listening exercises in a variety of genres. Written assignments and exams.

Contact department for information to register for this course.

ITAL269I **Special Topics in Study Abroad II; Intensive Intermediate Italian I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ITAL269R **Special Topics in Study Abroad II; Elementary Italian I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ITAL301 **Italian Composition**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ITAL207; or students who have taken courses with comparable content may contact the department.

Techniques of composition; grammatical analysis; various genres; vocabulary.

0101	Federica Soddu	Seats (Total: 20)
	MWF 10:00am - 10:50am	JMZ 1120

ITAL306 **Commercial Italian I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ITAL301; or permission of ARHU-School of Languages, Literatures, and Cultures department.

An introduction to Italian Business language and culture. Special emphasis on communicative strategies used in business transactions and applications. Reading and discussion of relevant articles relating to business world from on-line newspapers and magazines.

Contact department for information to register for this course.

ITAL369W **Special Topics in Study Abroad III; Composition and Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ITAL386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ITAL399 **Directed Study in Italian**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Intended for undergraduates who wish to work on an individual basis with a professor of their choice.

Contact department for information to register for this course.

ITAL411 **Monsters and Demons: the Faces of Evil in Dante's Inferno**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

An interdisciplinary study of Dante's Inferno as represented in the Divine Comedy. Special emphasis on Dante's own portrayal of monsters and demons and their roles in the poet's eschatological vision of Hell.Taught in English

Contact department for information to register for this course.

ITAL431 **Italian Civilization in Translation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Political, social, intellectual, literary and artistic forces shaping contemporary Italy from the late Middle Ages to the present. Taught in English.

Contact department for information to register for this course.

ITAL436 **Italian Cinema I: Neorealism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Cross-listed with: CINE441. Credit only granted for: CINE441, FILM441 or ITAL436. Formerly: FILM441.

Explores representations of Italy in cinema with special focus on identity formation and the movement of Italian neorealism and post neorealism. Taught in English.

0101	Mauro Resmini	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	ESJ B0322

ITAL441 The Dark Side of the Italian Renaissance

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Recommended: Some knowledge of Italian at the elementary or intermediate level.

Examines the dark aspects of the Italian Renaissance, focusing on artistic and literary patronage as a strategy of self-promotion and as a means to achieve and preserve power. From the Northern court of Milan to the Southern Kingdom of Naples, we journey through the Italian peninsula, a land that gave birth to illustrious artists and poets in one of the most troubled periods of Italian history, marked by political conflict, bloody rivalries, family betrayals, and wars. What hides beneath the image of some of these benevolent and enlightened patrons of learning, often praised as "ideal rulers" by artists and writers of the Renaissance, are ambitious and crafty politicians, who sought their own interests and goals in their ruthless pursuit of power

0101	Joseph Falvo	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	JMZ 2122

ITAL471 Italian Cinema: A Cultural Approach in Translation

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The culture of Italy through the medium of film from the silent days up to the present. Taught in English.

Contact department for information to register for this course.

ITAL478I Colloquium in Italian; The Dark Side of the Italian Renaissance

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Colloquium section taught in Italian to accompany 400-level Italian courses taught in English. Discussion, presentations, readings.

Corequisite:ITAL441

0101	Joseph Falvo	Seats (Total: 5)
	Contact instructor or department for details.	

ITAL478Y **Colloquium in Italian; Italian Cinema I**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Colloquium section taught in Italian to accompany 400-level Italian courses taught in English. Discussion, presentations, readings.

Corerequisite: ITAL436

0101	Mauro Resmini Contact instructor or department for details.	Seats (Total: 5)

ITAL499 **Special Topics in Italian Studies**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ITAL499T **Special Topics in Italian Studies; Italian Cities: History through Urban Form**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ITAL499V **Special Topics in Italian Studies; Italian Comedy on Stage and Screen**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

JAPN Japanese Fall 2025

JAPN101 **Elementary Japanese I**

Credits: 6 Grading Method: Regular, Pass-Fail

Prerequisite: Must have appropriate World Language Placement (WLP) score.

Introduction to basic patterns of contemporary spoken Japanese and to the two phonetic syllabaries (Katakana and Hiragana).

0101	Makiko Inoue, Mari Hamada MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 0205 JMZ 0205
0201	Makiko Inoue, Mari Hamada MWF 2:00pm - 2:50pm TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 0205 JMZ 0205

0301	Makiko Inoue, Mari Hamada MWF 3:00pm - 3:50pm TuTh 3:30pm - 4:45pm	Seats (Total: 15) JMZ 0205 JMZ 0205

JAPN201 **Intermediate Japanese I**

Credits: 6 Grading Method: Regular CORE: HO

Prerequisite: Minimum grade of C- in JAPN102; or or appropriate World Language Placement (WLP) score.

Contemporary spoken and written Japanese.

0101	Kumiko Akikawa MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 2125
0201	Kumiko Akikawa MWF 1:00pm - 2:50pm	Seats (Total: 15) JMZ 2125

JAPN301 **Advanced Japanese I**

Credits: 6 Grading Method: Regular

Prerequisite: Minimum grade of C- in JAPN202; or permission of instructor.

Advanced conversation, oral comprehension, and selected readings.

0101	Mari Hamada MWF 10:00am - 11:50am	Seats (Total: 15) JMZ 1226

JAPN401 **Readings in Modern Japanese Literature**

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in JAPN302; or permission of instructor.

Development of advanced reading, vocabulary, grammar, and translation skills through selected readings in Japanese drawn primarily from modern literature.

0101	Jyana Browne TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 1122

JAPN424 **Japan From the Margins**

Credits: 3 Grading Method: Regular General Education: DVUP

Japan from the Margins takes as its focus the history and representations of various others in Japanese society. They include ethnic Ainu, Okinawans, and Koreans, a historical outcaste group called the Burakumin, and people marginalized for their non-normative gender and sexual practices. Students learn about the historical specificities of each group as well as their common experiences of institutional discrimination as they grapple with larger questions regarding prejudice, nationalism, and social justice. Taught in English.

0101	Michele Mason	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 3205

JAPN428B **Seminar in Japanese Discourse and Conversation Analysis; Japanese Business Discourse from a Cross-Cultural Perspective**

(Perm req)

Credits: 3 Grading Method: Regular

Presentation and discussion of classic and current readings in English and Japanese on theories and actual practice of discourse and conversation analysis. Students will learn transcription techniques and have an opportunity to apply them in a final term paper.

Prereq:JAPN302 This combined language/linguistics course introduces Japanese business language and cultural practices from a cross-cultural, cross-linguistic perspective and is designed for intermediate to advanced level learners. Initial background readings in English will be drawn from relevant fields including pragmatics (the study of language use in context), conversation and discourse analysis, and corpus linguistics. Japanese language topics include business telephone conversations, e-mail correspondence, and case studies on multinational corporations such as Nintendo, Walmart, and Coca-Cola. Taught in English and Japanese.

0101	Lindsay Yotsukura	Seats (Total: 15)
	MW 2:00pm - 3:15pm	JMZ 2122

JAPN438A **Topics in Japanese Pragmatics; Stylistic Variation in the Films of Miyazaki Hayao and Studio Ghibli**

(Perm req)

Credits: 3 Grading Method: Regular

Basic concepts in the field of pragmatics (the study of language in context) such as deixis and indexicality, speech acts, ellipsis, and politeness. Readings in English on English and Japanese examples.

Prereq -- JAPN201 Familiarizes students with fundamental topics in the field of linguistic pragmatics (the study of language use in context) through the lens of stylistic variation in the films of Miyazaki Hayao and Studio Ghibli. Students are introduced to pragmatic concepts such as deixis (how language is used to "point" to social, temporal, and spatial relationships), speech acts (how utterances function as requests, orders, apologies, invitations, etc.), and linguistic (im)politeness. An important area of focus is how the linguistic behavior of various characters contributes to their situated portrayals in these films.

0101	Lindsay Yotsukura	Seats (Total: 15)
	M 3:30pm - 6:00pm	JMZ 3203

JAPN447 **Technologies of Japanese Performance**

Credits: 3 Grading Method: Regular

Cross-listed with: THET447. Credit only granted for: THET447 or JAPN447.

Explores technologies of performance in Japan across the centuries. We will focus on concepts of likeness and liveness as they manifest in performance's mythical origins, the traditions of noh drama, the popular, commercial theatres of kabuki, bunraku, and Takarazuka, and contemporary experiments with robotics, Vocaloids, and other new technologies. Taught in English.

0101	Jyana Browne TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 1122

JAPN499 **Directed Study in Japanese**

(Perm req) Credits: 1-3 Grading Method: Regular, Pass-Fail

Contact department for information to register for this course.

JOUR Journalism Fall 2025

JOUR130 **Self-Presentation in the Age of YouTube**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSOC

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285. Additional information: May not count toward the Journalism major.

Students, as they make use of evolving technologies, need to be able to present themselves effectively in front of any number of different audiences through any number of different outlets. Whether in an interview on radio, a guest presentation at a conference, in comments on a video blog, in commentary on TV, in the lead on a self-produced YouTube video, or as spokesperson in front of investors or management, professionals need strong oral communication skills. This class focuses on strengthening those skills through active individual and group presentations, as well as, through discussion of key techniques and group critique of presentation publicly available in the social media space on sites such as YouTube.

0201	George Lanum TuTh 12:30pm - 1:45pm	Seats (Total: 22) KNI 1206
FC01	Amber Moore TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) KNI 1103
FC03	Mark Gray TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) KNI 1103

FC04	Alexander Pyles, Teona Goderdzishvili, Hamil Harris MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) KNI 1103
FC05	Mark Gray, Alexander Pyles, Hamil Harris MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) KNI 1103

JOUR150 **Introduction to Mass Communication**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DSSP

Additional information: Not applicable toward journalism major.

Survey of the functions and effects of the mass media in the United States. A consumer's introduction to newspapers, television, radio, film, sound recording, books, magazines, and new media technology.

0101	Mohammed Ademo TuTh 11:00am - 12:15pm	Seats (Total: 30) ONLINE
0201	Sally Farhat Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 30) ONLINE KNI 1208
0301	Mengyuan Chen TuTh 12:30pm - 1:45pm	Seats (Total: 30) KNI 1103
0401	Denitsa Yotova Class time/details on ELMs *This section meets asynchronously.*	Seats (Total: 30) ONLINE
0701	Denitsa Yotova Class time/details on ELMs *This section meets asynchronously.*	Seats (Total: 30) ONLINE

JOUR152 **Introduction to Storytelling with Code**

(Perm req)

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in JOUR200.

An introduction to the ways markup and programming languages and computational thinking are transforming news reporting and storytelling.

0201	Naeemul Hassan **Meets October 22, 2025 - December 8, 2025** Class time/details on ELMs	Seats (Total: 100) ONLINE

JOUR175 **Media Literacy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: IE, D | General Education: DSSP, DVUP

Additional information: Not applicable toward journalism major.

An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

0101	Susan Moeller Class time/details on ELMs *Mandatory synchronous online meetings on 9/2, 9/15, 10/6, 10/27 and 11/17 from 6pm-7pm EST.*	Seats (Total: 135) ONLINE

JOUR181 **Grammar for Journalists**

(Perm req)

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ENGL181, ENGL281, or JOUR181.

The basic grammatical structures of standard American written English and its conventions of punctuation, diction and usage in journalistic writing.

0101	Justin Thompson M 10:00am - 10:50am	Seats (Total: 170) ONLINE
FC01	Nicki Kern Th 4:30pm - 5:20pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) KNI 3200

JOUR199 **Survey Apprenticeship**

(Perm req)

Credits: 1 | Grading Method: Sat-Fail

College-monitored experience in approved mass-communications organizations and industries.

0101	Karen Denny Contact instructor or department for details.	Seats (Total: 40)	

JOUR200 **Journalism History, Roles and Structures**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Introduction to the study of journalism from the standpoint of media history and sociology.

0301	Michael Sessa TuTh 11:00am - 12:15pm	Seats (Total: 30) KNI 1105	
0401	Sara Browning MW 12:30pm - 1:45pm	Seats (Total: 30) KNI 1208	
0501	Merrilee Cox TuTh 9:30am - 10:45am	Seats (Total: 30) KNI 1208	
0601	Christoph Mergerson TuTh 12:30pm - 1:45pm	Seats (Total: 30) KNI 1105	
FC01	Carole Lee MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) KNI 1208	

JOUR201 **News Writing and Reporting I**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENGL101, JOUR181, and JOUR200; and permission of JOUR-Philip Merrill College of Journalism. Restriction: For students intending to be journalism majors; and permission of JOUR-Philip Merrill College of Journalism.

Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills. Students who earned 80% or higher on the JOUR181 diagnostic are exempt from the JOUR181 prerequisite.

0101	Darcy Costello TuTh 5:00pm - 6:50pm	Seats (Total: 18) KNI 2107	
0501	Holly Morris M 5:00pm - 6:50pm W 5:00pm - 6:50pm	Seats (Total: 18) KNI 1101 KNI 2103	 Lab

JOUR202 **News Editing**

(Perm req) Credits: 3 Grading Method: Regular

Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Copy editing, fact checking, verification and research across media platforms, including social, with consideration of story play and placement, graphic principles, headlines and SEO.

0201	Jodi Friedman MW 9:00am - 10:50am	Seats (Total: 18) KNI 2107

JOUR282 Beyond Facebook: How Social Media are Transforming Society, Culture, Business and Politics

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, SCIS

Credit only granted for: JOUR289F or JOUR282. Formerly: JOUR289F.

How has social media changed the world, and how has the world changed social media? This course explores how social media has influenced relationships, culture, industry, politics, and the information environment, as well as how significant global events and technological advancements have contributed to the evolution of social media. This course gives students a broad contextual understanding of social media that they may apply in their daily lives as well as future academic inquiry.

0201	Wei-Ping Li Class time/details on ELMs	Seats (Total: 35) ONLINE

JOUR283 Probing War: Investigative Narratives and American Conflicts

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, SCIS

Credit only granted for: JOUR283 or JOUR289J. Formerly: JOUR289J.

What role should the American news media play when the United States is at war? Students will explore the realities of war through the work of journalists who pushed beyond the daily headlines, some risking life and limb, to challenge official versions and document uncomfortable realities about American conflicts.

0101	Christopher Hanson MW 11:00am - 12:15pm	Seats (Total: 30) KNI 1208

JOUR284 Scandal: Exposing Corruption, Justice, and Vice in America

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, SCIS

Credit only granted for: JOUR289P, JOUR284 or HONR239J. Formerly: JOUR289P, HONR239J .

What are the ingredients of a juicy scandal? Money? Sex? Power? How are scandals uncovered? Why does society punish some scoundrels but not others? Come explore both serious and salacious scandals with a professor who's an expert in both--and who once exposed many scandals himself when he was an investigative reporter. This class examines scandals in politics, science, religion, social media, business, government, sports, and higher education; feeding frenzies, tabloid scandalmongering, undercover reporting, apologies, and cancel culture. Learn why even trivial scandals matter--and how scandals reflect what we value and ultimately who we are.

0101	Mark Feldstein	Seats (Total: 60)
	TuTh 11:00am - 12:15pm	KNI 1208

JOUR289I **Information 3.0: Exploring Technological Tools**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: IE | General Education: DSSP, SCIS

In a mobile social media world with unlimited amounts of digital information available on demand, what does the future hold for a population that spends hours on their devices seeking, selecting, and sharing more entertaining content than critical information about national and world issues? This course explores innovative ways for producing digital content and engaging diverse audiences with important topics, such as those related to every student's major. Students also utilize new metric tools to answer the question asking how today's digital audiences consume various forms of media and content.

Students will expand their understanding of various digital information and the issues it raises, evaluate media research investigating how users interact with information for different purposes, analyze how diverse audiences seek, select, share and produce various types of digital information, and evaluate the ethics related to digital privacy and security.

0101	Ronald Yaros	Seats (Total: 70)
	M 11:00am - 12:15pm Class time/details on ELMs	ONLINE ONLINE
	Students in this section will use a custom mobile app.	

JOUR320 **News Writing and Reporting II: Multiplatform**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in JOUR152; and minimum grade of C- in JOUR201; and must have completed or be concurrently enrolled in JOUR347 or JOUR370. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Principles and practices of news reporting; covering news beats and other news sources, including researching news stories for accuracy, comprehensiveness and interpretation. Due to rigorous publication requirement, plan your schedule accordingly.

0101	Jerry Zremski	Seats (Total: 18)
	TuTh 10:00am - 11:50am	KNI 2105

0201	David Lightman TuTh 8:00am - 9:50am	Seats (Total: 18) KNI 2105
0401	Jamaal Abdul-Alim M 12:00pm - 1:50pm W 12:00pm - 1:50pm	Seats (Total: 18) KNI 2105 KNI 2103
0501	Abbie Bennett MW 7:00pm - 8:50pm	Seats (Total: 18) KNI 1101
0601	Clarence Williams TuTh 11:30am - 1:20pm	Seats (Total: 18) KNI 1101

JOUR325 **Capital News Service Bureau**

(Perm req)

Credits: 9 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: JOUR320; and permission of JOUR-Philip Merrill College of Journalism.

Advanced journalism training. Students report as part of college's Capital News Service program.

Jointly offered with JOUR625. Students must contact the instructor for permission to register. Washington, DC students should enroll in section 0101. Annapolis students should enroll in section 0201. College Park students should enroll in section 0301 or section 0401, depenging on their bureau.

0101	James Carroll Contact instructor or department for details. *This section meets in the CNS Bureau, Washington, DC.*	Seats (Total: 9)
0201	Christi Parsons Contact instructor or department for details. *This section meets in the CNS Bureau, Annapolis, MD.*	Seats (Total: 9)
0301	Adam Marton Contact instructor or department for details. *This section meets in the CNS Bureau, College Park, MD.*	Seats (Total: 9)
0401	Stacey Decker Contact instructor or department for details. *This section meets in the CNS Bureau, College Park, MD.*	Seats (Total: 9)

JOUR328F **Special Topics in News Writing and Reporting; Reporting on Journalists Imprisoned Overseas**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced training and practice in writing and reporting news.

Prerequisite: JOUR320 Students will dip into national security and diplomatic reporting by learning to research the context, laws and international pressure surrounding an individual journalist imprisoned in a particular country. Students will learn how to find sources and conduct interviews with diplomats, experts, reporters and family members living overseas while never leaving College Park.

0101	Dana Priest M 2:30pm - 5:15pm	Seats (Total: 9) KNI 3200

JOUR328G **Special Topics in News Writing and Reporting; Sports Enterprise Reporting**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced training and practice in writing and reporting news.

Prerequisite: JOUR320. Students will work as a team on a sports enterprise project. Previous topics have included gender equity in sports, youth sports & the media, betting and college sports, the economic impact of a new stadium on a city, and the future of football.

0101	Mark Hyman, Sandra Banisky M 1:00pm - 3:45pm	Seats (Total: 11) KNI 1101

JOUR328P **Special Topics in News Writing and Reporting; Enterprise Reporting and Solutions Journalism**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced training and practice in writing and reporting news.

Restriction: JOUR320 and permission of instructor (jzremski@umd.edu). Students will learn to report and craft in-depth enterprise stories that will be published as part of a project produced for Merrill College's Local News Network. Students will also learn the tenets of solutions journalism and will produce solutions stories as their final project.

0101	Jerry Zremski M 11:00am - 1:45pm	Seats (Total: 10) KNI 2103

JOUR329W **Selected Topics in Journalism; ; Exploring News Archives with Artificial Intelligence**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced training and practice in selected topics in journalism.

Prerequisite: JOUR472 or permission of instructor (dpwillis@umd.edu) A project-based skills course that teaches students to mine journalism's historical data using artificial intelligence and large language models. Students will learn how to use newsroom archives, listserv emails, and other journalism resources to train custom AI systems that can enhance reporting, preserve institutional knowledge, and create new forms of journalistic inquiry.

0101	Derek Willis MW 2:00pm - 3:50pm	Seats (Total: 9) KNI 2107

JOUR334 **Audio and Podcast Reporting**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR360. Formerly: JOUR368L.

Students will learn the tools needed to report and produce short- and long-form audio storytelling, including writing, reporting, interviewing, production, editing, hosting and delivery. Field reporting and audio gathering outside of class are required, along with writing and mixing broadcast-quality audio stories. Students will work together to produce a complete radio broadcast on deadline, with live and pre-recorded elements. Various interests in audio reporting are welcome and encouraged.

0101	Steven Drummond Tu 5:30pm - 8:15pm	Seats (Total: 6) KNI 1101

JOUR347 **News Videography**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in JOUR201. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Jointly offered with: JOUR603. Credit only granted for: JOUR262, JOUR347 or JOUR603. Formerly: JOUR262.

Introduction to shooting, editing and production of video stories for broadcast and the Web; includes newsgathering in the field.

0101	Kara Dixon M 5:00pm - 7:45pm	Seats (Total: 12) TWS 0222B
0201	Bridget McGeady W 4:30pm - 7:15pm	Seats (Total: 7) TWS 0222A
0301	Benjamin Otte TuTh 7:00pm - 8:50pm	Seats (Total: 12) TWS 0222B

JOUR352 **Interactive Design and Development**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR152; and JOUR201; and must have completed or be concurrently enrolled in JOUR347 or JOUR370. Or permission of JOUR-Philip Merrill College of Journalism. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Jointly offered with: JOUR652. Credit only granted for: JOUR352 or JOUR652.

Conceptualize, wireframe, design and build responsive Web pages using HTML, style sheets and other coding tools; work with open source interactive tools, JavaScript libraries, multimedia and text to create charts, timelines, maps and other forms of nonfiction storytelling.

0201	Stacey Decker M 11:00am - 1:45pm	Seats (Total: 16) KNI 2107
0301	Kalani Gordon M 5:30pm - 8:15pm	Seats (Total: 18) ONLINE
0401	Adam Marton W 11:00am - 1:45pm	Seats (Total: 12) KNI 2107
0501	Gagan Nirula Th 4:30pm - 7:15pm	Seats (Total: 18) KNI 1101

JOUR353 **News Bureau: Multimedia Reporting**

(Perm req)

Credits: 6 Grading Method: Regular, Audit General Education: DSSP

Prerequisite: JOUR352; and permission of JOUR-Philip Merrill College of Journalism; and (JOUR320 or JOUR360).

Advanced reporting and writing in an online environment focusing on multimedia, non-traditional storytelling and investigative reporting.

0201	Christi Parsons Contact instructor or department for details. *This section is for students in the Annapolis bureau.*	Seats (Total: 7)
0301	James Carroll Contact instructor or department for details. *This section is for students in the Washington, D.C. bureau.*	Seats (Total: 7)
0401	Deborah Nelson Contact instructor or department for details. *This section is for students in the College Park Investigative Reportin bureau.*	Seats (Total: 9)

JOUR355 **News Bureau: Multimedia Editing and Production**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: JOUR320 or JOUR360; and JOUR352; and permission of JOUR-Philip Merrill College of Journalism.

Advanced online journalism training. Students work as multimedia and social media editors and producers, building interactive content and special reports.

0101	Adam Marton Contact instructor or department for details.	Seats (Total: 10)
0201	Stacey Decker Contact instructor or department for details.	Seats (Total: 10)
0501	James Carroll Contact instructor or department for details.	Seats (Total: 1)
0601	Deborah Nelson Contact instructor or department for details.	Seats (Total: 4)

JOUR357 **Capital News Service Broadcast Immersion**

(Perm req)

Credits: 6 Grading Method: Regular, Audit

Prerequisite: JOUR361; and permission of JOUR-Philip Merrill College of Journalism.

Advanced broadcast journalism training. Students report as part of the College's Capital News Service program.

0101	Melvin Coffee Contact instructor or department for details.	Seats (Total: 7)

JOUR360 **News Writing and Reporting II: Broadcast**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Writing and reporting for broadcast media: production of news stories.

0201	Alison Burns MW 10:00am - 11:50am	Seats (Total: 14) KNI 2105
0401	Elizabeth Feldman TuTh 1:00pm - 2:50pm	Seats (Total: 18) KNI 2107

JOUR361 **Television Reporting and Production**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR347 and JOUR360.

Writing and editing for the broadcast media. Interpretive and documentary news stories.

Due to rigorous fieldwork requirement, plan your schedule accordingly.

0301	Joshua Davidsburg TuTh 12:00pm - 1:50pm	Seats (Total: 11) TWS 0222B	

JOUR362 **Broadcast News Producing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR347 and JOUR360. Jointly offered with: JOUR662. Credit only granted for: JOUR362 or JOUR662.

Producing TV news.

0102	Cindy Wright Tu 6:30pm - 8:00pm Tu 2:00pm - 6:20pm	Seats (Total: 3) TWS 0117 TWS 0117	 Lab
0104	Cindy Wright Tu 6:30pm - 8:00pm Th 2:00pm - 6:20pm	Seats (Total: 3) TWS 0117 TWS 0117	 Lab

JOUR367 **Broadcast News Bureau**

(Perm req)

Credits: 9 Grading Method: Regular, Audit General Education: DSSP

Prerequisite: JOUR361; and permission of JOUR-Philip Merrill College of Journalism.

Advanced broadcast journalism training. Students report as part of the college's Capital News Service program.

Jointly offered with JOUR667.

0101	Melvin Coffee Contact instructor or department for details.	Seats (Total: 15)

JOUR368A **Topics in Broadcast and Electronic Media; Sports Reporting: Broadcast and Storytelling**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced research, analysis and/or practice of selected topics in broadcast journalism.

Prerequisite: JOUR347, JOUR320 and JOUR360 This class will focus on the art of storytelling for sports television. Students will get practical, hands-on experience in presentation, learning how to master interviewing skills as well as reporting and anchoring with a heavy focus on the details of writing for broadcast. Students will work creatively and collaboratively to understand how to take a sports story from an idea to an on-air finished product.

0101	Alexander Flum F 12:00pm - 2:45pm	Seats (Total: 10) KNI 1101

JOUR368E **Topics in Broadcast and Electronic Media; Streaming and Broadcast Design**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Advanced research, analysis and/or practice of selected topics in broadcast journalism.

Prerequisite: JOUR262 or JOUR347 This course explores the culture and practice of live streaming. Through a hands-on approach, it leads students from the various stages of live streaming account creation, production design and delivery, audience garnering and engagement. Beyond Twitch, it will also examine other popular streaming platforms. At the end of the course, you should understand how accessible and valuable streaming is for you.

0101	Nathaniel Stevens M 3:00pm - 5:30pm	Seats (Total: 10) TWS 0117

JOUR368I **Topics in Broadcast and Electronic Media; Designing Stories with Motion Graphics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced research, analysis and/or practice of selected topics in broadcast journalism.

Prerequisite: JOUR262, JOUR347 or JOUR370. In this course, students will learn how to create motion graphics that turn data and facts into visually compelling animated stories. Students will learn theories and practices of animation, design and visual journalism. After completing this course, students will have a solid grasp of storyboarding, scripting and creating motion graphic stories using the Adobe After Effects software.

0101	Carmiliza Jo Riculan Tu 6:00pm - 8:45pm	Seats (Total: 8) KNI 2103

JOUR368K **Topics in Broadcast and Electronic Media; Video Lab**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced research, analysis and/or practice of selected topics in broadcast journalism.

Prerequisite: JOUR347 Recommended: JOUR361 or JOUR368X This course focuses on the future of video journalism, from documentary to 360 videos. In the class, students can experiment with cinematic techniques, motion graphics, choose-your-own-adventure style videos and more. The class is heavily influenced by independent documentary filmmaking and video storytelling. Students will be required to contribute to a weekly behind-the-scenes vlog of our class documenting the work we do.

0101	Joshua Davidsburg Tu 2:00pm - 4:45pm	Seats (Total: 9) TWS 0222B

JOUR368T **Topics in Broadcast and Electronic Media; Documentary Video Production and Cinematography**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Advanced research, analysis and/or practice of selected topics in broadcast journalism.

Prerequisite: JOUR347 or JOUR370. Introduction to shooting, editing and production of video for film and web; includes visual storytelling, story research, lighting, interviewing, editing, managing video and film projects.

0101	Joshua Davidsburg TuTh 10:00am - 11:50am	Seats (Total: 7) TWS 0222B

JOUR368Y **Topics in Broadcast and Electronic Media; Sports Producing**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Advanced research, analysis and/or practice of selected topics in broadcast journalism.

Prerequisite: JOUR262 or JOUR347; and JOUR360 or JOUR320. This class will take an analytical look at sports TV and sports content by deconstructing shows. We will examine the producer's role in creating the look, feel and direction of shows and learn how to choose a lead story, how to "tease" effectively and the importance of identifying and telling good stories. We will watch live televised sporting events to better understand the techniques used by directors and producers. Students will get hands-on experience with BTN2GO and learn all aspects of live game production.

0101	Joseph Yasharoff W 7:00pm - 9:45pm	Seats (Total: 10) KNI 2103

JOUR370 **Photojournalism**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in JOUR201. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR370 or JOUR670. Additional information: Students are required to borrow, rent or purchase a 35mm digital camera. Contact department for camera specifications.

Examining the basics of shooting, editing and storytelling with still photos taken with 35mm digital cameras. Students shoot portraits, feature photos and action shots. Final project is a photo story/essay.

0101	Timothy Jacobsen F 12:00pm - 2:45pm	Seats (Total: 12) KNI 2107
0301	Timothy Jacobsen F 9:00am - 11:45am	Seats (Total: 14) KNI 2107

JOUR371 **Feature Writing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR320.

Research and writing feature articles.

Feature writing and reporting means knowing sources and stories inside and out, and breaking free from traditional storytelling structures. This course will cover the ins and outs of narrative writing across disciplines like entertainment, health and wellness, science, sports, politics and more. Plan to read as much as you write and try your hand at short and long-form feature stories.

0101	David Oliver M 6:00pm - 8:45pm	Seats (Total: 17) KNI 2103

JOUR382 **Sports Reporting and Writing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR320; and permission of JOUR-Philip Merrill College of Journalism. Jointly offered with: JOUR682. Credit only granted for: JOUR382 or JOUR682.

Gives students full and wide-ranging instruction in all aspects of sports reporting and writing, including how to report, write, edit and lay out sports stories, incorporating photography and multimedia. We will also discuss ethics, objectivity, fairness and the future of sports journalism.

0101	Kate Yanchulis MW 4:00pm - 5:15pm	Seats (Total: 9) KNI 2105

JOUR383 **Advanced Photojournalism**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR370. Restriction: Permission of Philip Merrill College of Journalism. Credit only granted for: JOUR368N or JOUR383 . Formerly: JOUR368N.

Provides a deeper dive into the storytelling medium of photojournalism. Students will learn the skills necessary to tell in-depth, long-term stories through the use of still photography. Topics of discussion will include the history of photojournalism, changing approaches to the photo story/essay, how to approach a variety of potential subjects and situations, finding long-term photo story projects and organizing images for a variety of digital and traditional formats.

0101	Timothy Jacobsen W 4:00pm - 6:45pm	Seats (Total: 8) KNI 1101

JOUR384 **Social Media Content Creation, Audience Engagement and Analytics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR320 or JOUR360. Jointly offered with: JOUR657. Credit only granted for: JOUR368D or JOUR384 . Formerly: JOUR368D.

Provides students with an overview of social media best practices for journalists and will work to develop their skills in social content creation, audience engagement, sourcing and verification and analytics. By the end of this course, students will have the practical skills needed to manage a social media account for themselves or to contribute to the management of a news organization's social media presence.

0101	Shuning Lu Tu 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 17) KNI 2103 ONLINE

JOUR389I **News Coverage of Special Topics; Investigative Reporting**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Advanced training and practice in writing and reporting news in one specialized field of interest.

Prerequisite: JOUR320. Introduces students to the skills and techniques of investigative reporting. Students will learn how to report, write and publish investigative stories.

0101	James Risen M 2:00pm - 4:45pm	Seats (Total: 15) KNI 2103

JOUR396 **Supervised Internship**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: Must have earned a grade of C- or better in JOUR201. Restriction: Must be a major in the JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR326, JOUR366, or JOUR396.

Students will complete a minimum of 90 hours in a supervised journalism internship over a minimum of 10 weeks in spring and fall, and eight weeks in summer. Emphasis is on relating academic training to professional experience. To enroll, students must do the following: Fill out the internship proposal form, have their internship supervisor fill it out, and meet with the college's internship director to receive permission to register. No requests to register after the Schedule Adjustment Period will be granted.

0101	Karen Denny Contact instructor or department for details.	Seats (Total: 45)

JOUR398 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular

Individual projects in journalism.

Contact department for information to register for this course.

JOUR402 **Journalism Law and Ethics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: JOUR201. Credit only granted for: JOUR402 OR JOUR400 and JOUR300.

An examination of the legal rights and ethical problems and constraints of mass media, including libel, privacy, copyright, monopoly and contempt.

0201	Lucy Dalglish TuTh 11:00am - 12:15pm	Seats (Total: 35) KNI 3202
0301	Danielle McLean TuTh 2:00pm - 3:15pm	Seats (Total: 35) KNI 1208

JOUR405 **Breaking News With Numbers: Statistics for Journalists**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSAR

Prerequisite: Minimum grade of C- in JOUR201; and (MATH107 or MATH110; or must have completed a higher level math course). Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Common statistical tools, software and data visualization techniques will be used to allow students to analyze data and solve problems relevant to reporting and writing about politics, sports, criminal justice, business and other fields.

0101	Rob Wells W 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 38) KNI 3202 ONLINE

JOUR447 **Sports, Protest and the Media**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: JOUR447 or JOUR458M. Formerly: JOUR458M.

Addresses why activists, whether athletes or not, have long commanded ceremonial and ritualistic games to promote a cause or take a stand. It examines the important role of media as collectors, editors, interpreters and disseminators of information or news about athletic competitions, athletes and political pronouncements revolving around athletic events and their participants.

0101	Kevin Blackistone MW 10:00am - 11:15am	Seats (Total: 15) KNI 3202

JOUR453 Media Coverage of Diversity

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | , D | General Education: DVUP

Restriction: Junior standing or higher.

Analysis of media coverage of issues relating to diversity in the United States, with special attention to race, ethnicity, class, gender, sexual orientation and religious affiliation.

Cross-listed with AAAS499N. Credit only granted for JOUR453 or AAAS499N.

0101	Anne Rosen TuTh 9:30am - 10:45am	Seats (Total: 25) KNI 3202

JOUR456 Literature in Journalism

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Credit only granted for: JOUR456 or JOUR673.

From Truman Capote's In Cold Blood to Mark Bowden's Black Hawk Down, students will examine how literary works can help writers approach a subject in a different way than more traditional forms of journalism, including the advantages and limitations of the style.

0101	Christopher Hanson Tu 4:15pm - 7:00pm	Seats (Total: 18) KNI 3202

JOUR458A Special Topics in Journalism; Machine Editors: Search Engines, Social Media, AI and The News

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Issues of special concerns and current interest.

In this class, we will explore the deep and far-reaching impact that digital platforms (search engines and social media) have in the distribution of news. Through readings, discussions, and in-class exercises, we will investigate how these algorithmically-defined mediators have becomeexternal curators and editors of news, and how journalists have been adapting, resisting, or reframing their practices towards them.

0101	Daniel Trielli	Seats (Total: 18)
	Tu 1:00pm - 3:45pm	KNI 3200

JOUR458B **Special Topics in Journalism; Sports Media Today**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Issues of special concerns and current interest.

Students will discuss working with various organizations' communications/media relations staff, coaches and players; distributing news of the organizations; and creating/maintaining methods for disseminating the news to the public in an honest and forthright manner. Also, traditional, digital and social media elements will be explored. Restriction: Junior Standing or higher.

0101	Rose DiPaula	Seats (Total: 26)
	Tu 3:30pm - 6:15pm	KNI 1208

JOUR458Z **Special Topics in Journalism; Great Reporting and Great Storytellers**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Issues of special concerns and current interest.

Permission of instructor (tbettag@umd.edu). This course explores long-form journalism using stories from programs like 60 Minutes. We'll emphasize the art of reporting and storytelling. We will use television stories as our material but this will not be a television production course. Whenever possible, we will discuss these stories with the reporters themselves either in person or via Zoom.

0101	Tom Bettag	Seats (Total: 12)
	M 10:00am - 12:45pm	KNI 1109

JOUR459F **Special Topics in Journalism; Media in War and Crisis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Issues of special concern and current interest. Open to all students.

Contact department for information to register for this course.

JOUR459I **Special Topics in Journalism; History of Investigative Journalism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Issues of special concern and current interest. Open to all students.

This seminar explores the history of investigative reporting in the United States from colonial times to the present: What is investigative journalism? How has it evolved over the years? Why does it matter? Students examine political and social exposes, leaks and whistleblowers,undercover reporting, sexual exposes, and journalistic malpractice in newspapers, magazines, television, and online.

0101	Mark Feldstein	Seats (Total: 13)
	Tu 2:00pm - 4:45pm	KNI 2109

JOUR459J **Special Topics in Journalism; The Media Role in Investigating Foreign and Domestic Extremists**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Issues of special concern and current interest. Open to all students.

The media has played a critical role in informing the public about significant threats from foreign terrorists and domestic extremists. Butthey were also highly reliant on government sources and susceptible to government hype and spin after the attacks of Sept. 11, 2001, and then mostly missed the growth of domestic extremists' groups that emerged on Jan. 6, 2020. In this course we will read significant examples of news and investigative reporting during this 20-year period,analyze its impact and relevance on the public policy and debate and examine the latest open-source methods for uncovering extremists' networks at home and abroad.

0101	Dana Priest	Seats (Total: 18)
	M 6:00pm - 8:45pm	KNI 3200

JOUR459K **Special Topics in Journalism; Global Media and International Journalism in the 21st Century**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Issues of special concern and current interest. Open to all students.

Contact department for information to register for this course.

JOUR459L **Special Topics in Journalism; European Mass Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Issues of special concern and current interest. Open to all students.

Contact department for information to register for this course.

JOUR459V **Special Topics in Journalism; Media and International Affairs**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Issues of special concern and current interest. Open to all students.

Contact department for information to register for this course.

JOUR471 **Follow the Money: Reporting on Business**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail

Restriction: Must have permission of the College of Journalism. Credit only granted for: JOUR479C or JOUR471. Formerly: JOUR479C.

Business and economics reporting is one of the strongest sectors of journalism with lucrative employment opportunities. This class, designed for journalism and non-journalism majors, introduces students to the main economic and business themes that dominate news coverage. Topics will include: corporate money and power in Washington, the ups and downs of the stock market, rising income inequality, the immigration crisis, why we have a trade war with China and technology disruptors. This class will be helpful to students who want to enhance their career opportunities by understanding how the economy works, why globalization is important and how the biggest corporations--including technology companies--have such a big influence on the way we live.

0101	Constance Ford TuTh 2:00pm - 3:15pm	Seats (Total: 15) KNI 1101	

JOUR472 **Data Journalism**

(Perm req)

Credits: 3

Grading Method: Regular

Prerequisite: JOUR320 or JOUR360. Jointly offered with: JOUR772. Credit only granted for: JOUR472 or JOUR772.

A practical, skills-based course in the basics of modern data journalism, data literacy and data storytelling. Students will learn to use data visualization, data analysis and other data-driven reporting techniques.

0101	Ryan Little W 5:00pm - 7:45pm	Seats (Total: 18) KNI 2107	
0201	Daniel Trielli M 2:00pm - 3:50pm W 2:00pm - 3:50pm	Seats (Total: 10) KNI 2105 KNI 2105	 Lab

JOUR473 **Computational Journalism**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of the Philip Merrill College of Journalism. Cross-listed with: INST403. Jointly offered with: JOUR773. Credit only granted for: JOUR479V, JOUR473, INST408I or INST403. Formerly: JOUR479V and INST408I.

Designed to teach the application of computational methods in journalism and reporting. The methods include natural language processing, visualization, and web data mining. The course will also cover the necessity and impact of journalistic ethics in designing computation solutions.

0101	Naeemul Hassan M 9:30am - 12:15pm	Seats (Total: 3) KNI 1101

JOUR475 **Understanding Audiences and Analytics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Student must have completed a university statistics course. Credit only granted for: JOUR479O or JOUR475. Formerly: JOUR479O.

As journalism evolves, it may be more important than ever to understand what were once simply called "audiences" -- who they are, how they consume news, and what that engagement means for them and for society. Students will learn to think critically about news audiences and contemporary issues in audience research.

0101	Ronald Yaros M 12:30pm - 1:45pm W 12:30pm - 1:45pm	Seats (Total: 18) ONLINE KNI 2105

JOUR479L **Special Topics in Data Gathering and Analysis; The Art of Interviewing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Special research topics for reporting and writing.

Prerequisite: JOUR320. Restriction: Students are not eligible to take this course if they have completed JOUR328X/JOUR628X. This course will substantially deepen your skills at the most elemental act in journalism knowing how to ask questions that elicit more honest and illuminating answers. You'll learn by doing, watching, and listening,looking at some of the best interviews ever,and some of the not so best, and analyze the differences. Students will conduct various interviews of their own, watch and critique themselves and their fellow students, and hear from some of the most skilled interviewers in the field today.

0101	Thomas Rosenstiel M 12:00pm - 2:45pm	Seats (Total: 16) KNI 3202

JOUR479X **Special Topics in Data Gathering and Analysis; Sports Data Analysis and Visualization**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Special research topics for reporting and writing.

Prerequisite: JOUR472/JOUR772 or permission of instructor. This course will provide students with replicable methods for analyzing sports data and creating visualizations that help find and illustrate patterns in order to find and tell stories. Using real-world sports data, students will learn to write code to ask and answer questions of it and to describe its meaning.

0101	Derek Willis	Seats (Total: 15)
	TuTh 1:00pm - 2:50pm	KNI 2105

JOUR601 **Theories of Journalism and Public Communication**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of JOUR-Philip Merrill College of Journalism.

Survey and evaluation of current communication theories. Attention is given to the nature and function of scientific theory, models of communication behavior, the nature of information, social functions of journalism and public communication, attitude change and persuasive communication and theories of language and meaning.

0101	Linda Steiner	Seats (Total: 9)
	W 1:00pm - 3:45pm	KNI 2109

JOUR603 **News Videography**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: JOUR501 or JOUR502; or permission of JOUR-Philip Merrill College of Journalism. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Jointly offered with: JOUR347. Credit only granted for: JOUR503 or JOUR603. Formerly: JOUR503.

Introduction to shooting, editing and production of video stories for broadcast and the Web; includes newsgathering in the field.

0101	Bridget McGeady	Seats (Total: 5)
	W 4:30pm - 7:15pm	TWS 0222A

JOUR604 **Introduction to Multimedia Skills for Graduate Certificate Programs**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of JOUR-Philip Merrill College of Journalism; and must not have completed JOUR504. Credit only granted for: JOUR 604, JOUR504, or JOUR628G. Formerly: JOUR628G. Additional information: This course is for students enrolled in graduate certificate programs in the College of Journalism.

Examine the basics of producing and editing digital photos, video and audio for news. Topics include framing, lighting and other aspects of composition; sequencing, using wide, medium and tight shots; and ethical considerations when collecting sound and visuals.

PCJ1	Nicole Munchel Sa 8:30am - 12:15pm Class time/details on ELMs	Seats (Total: 14) KNI 2103 ONLINE
	Must be in the Multimedia Journalism (GC) program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

JOUR620 **Public Affairs Reporting**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: JOUR501 or JOUR502; or permission of JOUR-Philip Merrill College of Journalism.

Designed to add to and sharpen the skills learned in JOUR501 or JOUR502. It is primarily an introduction to "beat" reporting that allows students to sample the most common new beats while reporting and writing on deadline. Students are required to develop and hone their multimedia skills by reporting in a variety of media.

0101	Christine Harvey TuTh 10:00am - 11:50am	Seats (Total: 12) KNI 2103
0201	Constance Ford TuTh 10:00am - 11:50am	Seats (Total: 12) KNI 2107

JOUR625 **Advanced Capital News Service Bureau**

(Perm req)

Credits: 6 Grading Method: Regular, Audit

Prerequisite: JOUR620; and permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR625 or JOUR729. Formerly: JOUR729.

Advanced journalism training. Students report as part of College's Capital News Service program.

0101	James Carroll Contact instructor or department for details.	Seats (Total: 10)
0201	Christi Parsons Contact instructor or department for details.	Seats (Total: 10)

JOUR628C **Specialized Topics in News Writing and Reporting; Advanced Howard Center Investigations I**

(Perm req)

Credits: 3 Grading Method: Regular

Advanced training and practice in writing and reporting news. Repeatable to a maximum of six credits provided the content differs.

Advanced journalism training. Students work on investigative projects as part of the College's Howard Center for Investigative Journalism.

0101	Kathy Best	Seats (Total: 5)
	Contact instructor or department for details.	

JOUR628G **Specialized Topics in News Writing and Reporting; Sports Enterprise Reporting**

(Perm req)

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Advanced training and practice in writing and reporting news. Repeatable to a maximum of six credits provided the content differs.

Prerequisite: JOUR620. Students will work as a team on a sports enterprise project. Previous topics have included gender equity in sports, youth sports & the media, betting and college sports, the economic impact of a new stadium on a city, and the future of football.

0101	Mark Hyman, Sandra Banisky	Seats (Total: 2)
	M 1:00pm - 3:45pm	KNI 1101

JOUR628I **Specialized Topics in News Writing and Reporting; Advanced Howard Center Investigations II**

(Perm req)

Credits: 3 Grading Method: Regular

Advanced training and practice in writing and reporting news. Repeatable to a maximum of six credits provided the content differs.

Advanced journalism training. Students work on in-depth investigative projects as part of the College's Howard Center for Investigative Journalism.

0101	Kathy Best	Seats (Total: 5)
	Contact instructor or department for details.	

JOUR628N **Specialized Topics in News Writing and Reporting; Reporting on Journalists Imprisoned Overseas**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Advanced training and practice in writing and reporting news. Repeatable to a maximum of six credits provided the content differs.

Prerequisite: JOUR620 Students will dip into national security and diplomatic reporting by learning to research the context, laws and international pressure surrounding an individual journalist imprisoned in a particular country. Students will learn how to find sources and conduct interviews with diplomats, experts, reporters and family members living overseas while never leaving College Park.

0101	Dana Priest	Seats (Total: 3)
	M 2:30pm - 5:15pm	KNI 3200

JOUR634 **Audio and Podcast Reporting**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: JOUR660; or permission of Philip Merrill School of Journalism Associate Dean. Jointly offered with: JOUR334. Formerly: JOUR668L.

Students will learn the tools needed to report and produce short- and long-form audio storytelling, including writing, reporting, interviewing, production, editing, hosting and delivery. Field reporting and audio gathering outside of class are required, along with writing and mixing broadcast-quality audio stories. The class will produce a complete newscast on deadline, with live and pre-recorded elements. Various interests in audio reporting are welcome and encouraged.

0101	Steven Drummond	Seats (Total: 3)
	Tu 5:30pm - 8:15pm	KNI 1101

JOUR635 **Advanced Public Affairs Reporting: Investigative Journalism**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: JOUR620 or comparable experience. Restriction: Permission of College of Journalism. Credit only granted for: JOUR698I or JOUR635. Formerly: JOUR698I.

Students will learn the essentials of accountability reporting while producing a publishable, in-depth project on an issue with national significance and impact on people's lives. Substantial fieldwork, teamwork and persistence are required.

0101	Deborah Nelson	Seats (Total: 12)
	Contact instructor or department for details.	

JOUR637 **Designing Stories with Motion Graphics**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Must have completed or be concurrently enrolled in JOUR652. Credit only granted for: JOUR668I, JOUR637 or JOUR368I. Formerly: JOUR668I.

Students learn to create motion graphics that turn data and facts into visually compelling, animated stories, using storyboarding, scripting and Adobe software. Theories and practices of animation, design and visual journalism are discussed.

0101	Carmiliza Jo Riculan	Seats (Total: 2)
	Tu 6:00pm - 8:45pm	KNI 2103

JOUR652 **Interactive Design and Development**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Master of Journalism students must have taken or be concurrently enrolled in JOUR620; or must have permission of the Philip Merrill College of Journalism. Recommended: Multimedia Journalism certificate students are encouraged to take or be concurrently enrolled in JOUR604. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR652 or JOUR352.

Conceptualize, wireframe, design and build responsive Web pages using HTML, style sheets and other coding tools; work with open source interactive tools and JavaScript libraries to create charts, timelines and maps to tell stories.

0101	Adam Marton W 11:00am - 1:45pm	Seats (Total: 6) KNI 2107
0201	Stacey Decker M 11:00am - 1:45pm	Seats (Total: 2) KNI 2107
PWJ1	Hyon-Young Kim Sa 1:30pm - 5:15pm *Must be in the Multimedia Journalism (GC) program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.*	Seats (Total: 15) ONLINE

JOUR655 **Advanced Online News Bureau**

(Perm req)

Credits: 6 Grading Method: Regular, Audit

Prerequisite: JOUR603 or JOUR620; and JOUR652; or permission of JOUR-Philip Merrill College of Journalism.

Advanced online journalism training. Students work as online reporters, editors and producers for a news site. Students also package copy from the print and broadcast news bureaus.

Prerequisites: JOUR 620 and 652 or equivalent. Contact the instructor to obtain permission. Course shares space with JOUR355.

0101	Adam Marton Contact instructor or department for details.	Seats (Total: 7)
0201	Stacey Decker Contact instructor or department for details.	Seats (Total: 4)

JOUR657 **Social Media Content Creation, Audience Engagement and Analytics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Corequisite: JOUR620; or permission of the department. Credit only granted for: JOUR657, JOUR668D or JOUR368D. Formerly: JOUR668D.

Provides students with an overview of social media best practices for journalists, and will work to develop their skills in social content creation, audience engagement, sourcing and verification and analytics. By the end of this course, students will have the practical skills needed to manage a social media account for themselves or contribute to the management of a news organization's social media presence.

0101	Shuning Lu	Seats (Total: 1)
	Tu 12:30pm - 1:45pm Class time/details on ELMs	KNI 2103 ONLINE

JOUR660 **Broadcast News Writing**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: JOUR501 or JOUR502; or permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR660 or JOUR760. Formerly: JOUR760.

Descriptive and critical analysis of broadcast news; methods of evaluation of news judgments; decision-making and organizational aspects of the broadcast news industry.

0101	Alison Burns	Seats (Total: 4)
	MW 10:00am - 11:50am	KNI 2105

JOUR661 **Television Reporting and Production**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: JOUR603 and JOUR660. Restriction: Must not be in Journalism Studies (Doctoral) program.

Reporting, writing, editing and production of broadcast news.

0301	Joshua Davidsburg	Seats (Total: 1)
	TuTh 12:00pm - 1:50pm	TWS 0222B

JOUR662 **Broadcast News Producing**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Must have completed JOUR603 and JOUR660. Jointly offered with: JOUR362. Credit only granted for: JOUR362 or JOUR662.

Learn and practice the basics of broadcast newscast producing. Design, write, edit and implement a news program.

0102	Cindy Wright	Seats (Total: 1)	
	Tu 6:30pm - 8:00pm	TWS 0117	
	Tu 2:00pm - 6:20pm	TWS 0117	Lab
0104	Cindy Wright	Seats (Total: 1)	
	Tu 6:30pm - 8:00pm	TWS 0117	
	Th 2:00pm - 6:20pm	TWS 0117	Lab

JOUR667 **Broadcast News Bureau**

(Perm req)

Credits: 6 Grading Method: Regular, Audit

Prerequisite: JOUR661. Jointly offered with: JOUR367, JOUR357.

Advanced broadcast journalism training. Students report as part of the College's Capital News Service program.

Jointly offered with JOUR367.

0101	Melvin Coffee	Seats (Total: 15)
	Contact instructor or department for details.	

JOUR668A **Topics in Broadcasting and Electronic Media; Sports Reporting: Broadcast and Storytelling**

(Perm req)

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Advance research and analysis of selected topics in broadcast journalism.

Prerequisite: JOUR603, JOUR620 and JOUR660 This class will focus on the art of storytelling for sports television. Students will get practical, hands-on experience in presentation, learning how to master interviewing skills as well as reporting and anchoring with a heavy focus on the details of writing for broadcast. Students will work creatively and collaboratively to understand how to take a sports story from an idea to an on-air finished product.

0101	Alexander Flum	Seats (Total: 2)
	F 12:00pm - 2:45pm	KNI 1101

JOUR668E **Topics in Broadcasting and Electronic Media; Streaming and Broadcast Design**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Advance research and analysis of selected topics in broadcast journalism.

Prerequisite: JOUR603 This course explores the culture and practice of live streaming. Through a hands-on approach, it leads students from the various stages of live streaming account creation, production design and delivery, audience garnering and engagement. Beyond Twitch, it will also examine other popular streaming platforms. At the end of the course, you should understand how accessible and valuable streaming is for you.

0101	Nathaniel Stevens M 3:00pm - 5:30pm	Seats (Total: 2) TWS 0117

JOUR668K **Topics in Broadcasting and Electronic Media; Video Lab**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Advance research and analysis of selected topics in broadcast journalism.

Prerequisite: JOUR603 Recommended: JOUR661 or JOUR668X This course focuses on the future of video journalism, from documentary to 360 videos. In the class, students can experiment with cinematic techniques, motion graphics, choose-your-own-adventure style videos and more. The class is heavily influenced by independent documentary filmmaking and video storytelling. Students will be required to contribute to a weekly behind-the-scenes vlog of our class documenting the work we do.

0101	Joshua Davidsburg Tu 2:00pm - 4:45pm	Seats (Total: 1) TWS 0222B

JOUR668T **Topics in Broadcasting and Electronic Media; Documentary Video Production and Cinematography**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Advance research and analysis of selected topics in broadcast journalism.

Prerequisite: JOUR501 or JOUR502. Introduction to shooting, editing and production of video for film and web; includes visual storytelling, story research, lighting, interviewing, editing, managing video and film projects.

0101	Joshua Davidsburg TuTh 10:00am - 11:50am	Seats (Total: 5) TWS 0222B

JOUR668Y **Topics in Broadcasting and Electronic Media; Sports Producing**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Advance research and analysis of selected topics in broadcast journalism.

Prerequisite: JOUR603 and JOUR660. This class will take an analytical look at sports TV and sports content by deconstructing shows. We will examine the producer's role in creating the look, feel and direction of shows and learn how to choose a lead story, how to "tease" effectively and the importance of identifying and telling good stories. We will watch live televised sporting events to better understand the techniques used by directors and producers. Students will get hands-on experience with BTN2GO and learn all aspects of live game production.

0101	Joseph Yasharoff W 7:00pm - 9:45pm	Seats (Total: 2) KNI 2103

JOUR670 **Photojournalism**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: JOUR620. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism; and permission of JOUR-Philip Merrill College of Journalism. Jointly offered with: JOUR370. Credit only granted for: JOUR368P, JOUR370 or JOUR670. Additional information: Students are required to borrow, rent or purchase a 35mm digital camera. Contact department for camera specifications.

Examining the basics of shooting, editing and storytelling with still photos taken with 35mm digital cameras. Students shoot portraits, feature photos and action shots. Final project is a photo story/essay.

0101	Timothy Jacobsen F 12:00pm - 2:45pm	Seats (Total: 2) KNI 2107

JOUR682 **Sports Reporting and Writing**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: JOUR620. Jointly offered with: JOUR382. Credit only granted for: JOUR628B, JOUR682 or JOUR382. Formerly: JOUR628B.

Gives students wide-ranging instruction in all aspects of sports reporting and writing, from the history of the craft to its mechanics, including how to report, write, edit and lay out sports stories, incorporating multimedia and interactive elements. Ethics, objectivity, fairness and the future of sports journalism will be discussed.

0101	Kate Yanchulis MW 4:00pm - 5:15pm	Seats (Total: 5) KNI 2105

JOUR683 **Advanced Photojournalism**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: JOUR670. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Jointly offered with: JOUR383. Credit only granted for: JOUR668N or JOUR683 . Formerly: JOUR668N.

Provides a deeper dive into the storytelling medium of photojournalism. Students will learn the skills necessary to tell in-depth, long-term stories through the use of still photography. Topics of discussion will include the history of photojournalism, changing approaches to the photo story/essay over time, how to approach a variety of potential subject matters and situations, finding long-term photo story projects and organizing images for a variety of digital and traditional formats.

0101	Timothy Jacobsen W 4:00pm - 6:45pm	Seats (Total: 6) KNI 1101

JOUR689I **News Coverage of Specialized Topics; Investigative Reporting**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Advance training and practice in writing and reporting news in on specialized field of interest.

Prerequisite: JOUR620. Introduces students to the skills and techniques of investigative reporting. Students will learn how to report, write and publish investigative stories.

0101	James Risen M 2:00pm - 4:45pm	Seats (Total: 3) KNI 2103

JOUR689J **News Coverage of Specialized Topics; Exploring News Archives with Artificial Intelligence**

(Perm req)

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Advance training and practice in writing and reporting news in on specialized field of interest.

Prerequisite: JOUR772 or permission of instructor (dpwillis@umd.edu). A project-based skills course that teaches students to mine journalism's historical data using artificial intelligence and large language models. Students will learn how to use newsroom archives, listserv emails, and other journalism resources to train custom AI systems that can enhance reporting, preserve institutional knowledge, and create new forms of journalistic inquiry.

0101	Derek Willis MW 2:00pm - 3:50pm	Seats (Total: 3) KNI 2107

JOUR689U **News Coverage of Specialized Topics; Feature Writing**

(Perm req)

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Advance training and practice in writing and reporting news in on specialized field of interest.

Prerequisite: JOUR620. Feature writing and reporting means knowing sources and stories inside and out, and breaking free from traditional storytelling structures. This course will cover the ins and outs of narrative writing across disciplines like entertainment, health and wellness, science, sports, politics and more. Plan to read as much as you write and try your hand at short and long-form feature stories.

0101	David Oliver	Seats (Total: 1)
	M 6:00pm - 8:45pm	KNI 2103

JOUR698 **Special Problems in Communication**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Independent study in area of the student's interest.

Contact department for information to register for this course.

JOUR702 **Journalism Law and Ethics**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (Journalism - Master (Master's); Journalism Studies (Doctoral)) ; or permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR400, JOUR 600, JOUR700, or JOUR 702.

An examination of the legal rights and ethical problems and constraints of mass media, including libel, privacy, copyright, monopoly and contempt.

0101	Lucy Dalglish	Seats (Total: 36)
	TuTh 2:00pm - 3:15pm	KNI 3202

JOUR757 **History of Investigative Journalism**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: JOUR757, JOUR779I, JOUR459I, or JOUR457. Formerly: JOUR779I.

Teaches the history of investigative journalism in the U.S., focusing on key time periods from colonial times to the present.

0101	Mark Feldstein	Seats (Total: 5)
	Tu 2:00pm - 4:45pm	KNI 2109

JOUR772 **Data Journalism**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have completed JOUR502, or students who have taken courses with comparable content may contact the department. Jointly offered with: JOUR472. Credit only granted for: JOUR772 or JOUR472.

A practical, skills-based course in the basics of modern data journalism, data literacy and data storytelling. Students will learn to use data visualization, data analysis and other data-driven reporting techniques.

0201	Daniel Trielli	Seats (Total: 8)	
	M 2:00pm - 3:50pm W 2:00pm - 3:50pm	KNI 2105 KNI 2105	 Lab
0301	Rob Wells	Seats (Total: 15)	
	MW 9:00am - 10:50am	KNI 2103	

JOUR773 **Computational Journalism**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of the Philip Merrill College of Journalism. Cross-listed with: INST617. Jointly offered with: JOUR473. Credit only granted for: JOUR779V, JOUR773, JOUR473, JOUR479V, INST617, INST408I, or INST403. Formerly: JOUR779V.

Designed to teach the application of computational methods in journalism and reporting. The methods include natural language processing, visualization, and web data mining. The course will also cover the necessity and impact of journalistic ethics in designing computation solutions.

0101	Naeemul Hassan	Seats (Total: 12)	
	M 9:30am - 12:15pm	KNI 1101	

JOUR798 **Master's Professional Fieldwork**

(Perm req)

Credits: 2-6 Grading Method: Sat-Fail

Research for and preparation of news articles or programs for use in the media. Analysis of fieldwork experience using communication theory and research results. Fieldwork may be done independently or as an internship. Repeatable to a maximum of six credits.

Contact department for information to register for this course.

JOUR799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

JOUR800 **Introduction to Doctoral Study in Journalism and Public Communication**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: JOUR700 or JOUR800. Formerly: JOUR700.

Basic skills in journalism and public communication research.

0101	Krishnan Vasudevan	Seats (Total: 10)	
	W 9:00am - 11:45am	KNI 2109	

JOUR888 **Doctoral Professional Field Work**

Credits: 3-9 Grading Method: Regular, Audit

Critical analysis of a phase of a professional field in journalism and public communication. Analysis of professional activity through personal observation. Evaluation of the purpose, process, effectiveness, and efficiency of professional activity. Recommendations for training and further research.

Contact department for information to register for this course.

JOUR889 **Doctoral Tutorial in Journalism and Public Communication**

Credits: 3-9 Grading Method: Regular, Audit

Individual research in journalism and public communication.

Contact department for information to register for this course.

JOUR898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

JOUR899 **Doctoral Dissertation Research in Journalism and Mass Communication**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

JWST Jewish Studies Fall 2025

JWST141 **American Jewish Experience**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SH General Education: DSHS, DVUP

Cross-listed with: HIST106. Credit only granted for: HIST106 or JWST141.

History of the Jews in America from Colonial times to the present. Emphasis on the waves of migration from Germany and Eastern Europe; the changing nature of the American Jewish community and its participation in American social, economic, and political life.

0101	Marsha Rozenblit	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	KEY 0126

JWST219C **Special Topics in Jewish Studies; Contemporary Israel: History and Society**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

JWST219D **Special Topics in Jewish Studies; Women in Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

JWST219E **Special Topics in Jewish Studies; Writing Israel**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

JWST219L **Special Topics in Jewish Studies; The 'Jew' in American Literature and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Cross listed with ENGL289L and CINE299L. Credit only granted for JWST219L or ENGL289L or CINE299L. An exploration of the role played by literature in the development of American Jewish ethnic identity. Primary materials include essays, poetry, plays, short stories, novels, films and music.

0101	Eric Zakim	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	KEY 0103

JWST225 **Religions of the Ancient Near East**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Cross-listed with: RELS225, HIST219I. Credit only granted for: JWST225, HIST219I, RELS225, or RELS219A. Formerly: RELS219A.

Introduction to ancient Near Eastern religious systems and mythology, from the third millennium BCE through the fourth century BCE. Particular emphasis on Mesopotamia and ancient Israel.

0101	Matthew Suriano	Seats (Total: 25)
	MW 3:30pm - 4:45pm	SQH 1121

JWST230 **Inventing Traditions: The Making of Rabbinic Judaism**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DSHU, SCIS

Cross-listed with: HIST281, RELS230. Credit only granted for: HIST281, JWST230, RELS219C or RELS230. Formerly: RELS219C.

Introduces the dramatic literary and cultural (as well as political and demographic) innovations that reshaped Judaism in late antiquity. Examines the fundamental works and genres of rabbinic literature and the religious movement that produced them. Special emphasis on the rabbinic uses of "tradition" to enhance authority and legitimacy, and to foster group identity.

0101	Hayim Lapin	Seats (Total: 30)
	MW 2:00pm - 3:15pm	KEY 0100

JWST262 **Introduction to the Hebrew Bible/Old Testament**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Cross-listed with: ENGL262, HEBR298B. Credit only granted for: JWST262, HEBR298B, or ENGL262.

Origins of the Hebrew Bible (Old Testament), with attention to literary formations, archaeology, and social-political settings. Explorations of major questions, including who wrote the Bible, and when; relationships of the biblical tradition to the mythology and religious structures of ancient Israel's near eastern neighbors; and dynamics of politics, religious leadership, and law.

0101	Stephanie Cooper TuTh 12:30pm - 1:45pm	Seats (Total: 25) TYD 1132	

JWST274 **Jerusalem in Antiquity: The History of Sacred Space in a Holy City**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP, SCIS

Cross-listed with: RELS274. Credit only granted for: JWST274, RELS274, JWST289J or RELS289J. Formerly: JWST289J, RELS289J.

Examines the complex history of Jerusalem's status as a holy city, with a focus on constructions of sacred space in Judaism, Christianity, and Islam.

0101	Matthew Suriano MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) BPS 1243 ARC 1103	Discussion
0102	Matthew Suriano MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) BPS 1243 ARC 1103	Discussion
0103	Matthew Suriano MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) BPS 1243 ARC 1103	Discussion
0104	Matthew Suriano MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 20) BPS 1243 HBK 0125	Discussion

JWST289E **Civil Discourse or Urban Riot: Why Cities Don't (Often) Explode**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP, SCIS

Cross-listed with: HIST135. Credit only granted for: HIST135 or JWST289E.

An examination of the mechanisms that promote peaceful co-existence in urban societies and a discussion of how and why city streets sometimes become violent.

0101	Bernard Cooperman	Seats (Total: 23)		
	TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	ESJ 2212 TLF 1103	Discussion	
0102	Bernard Cooperman	Seats (Total: 23)		
	TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	ESJ 2212 TLF 1103	Discussion	
0103	Bernard Cooperman	Seats (Total: 23)		
	TuTh 2:00pm - 2:50pm F 2:00pm - 2:50pm	ESJ 2212 TLF 1103	Discussion	

JWST319B **Special Topics in Jewish Studies; Arab-Israeli Relations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in Jewish Studies.

Contact department for information to register for this course.

JWST319E **Special Topics in Jewish Studies; Literature of the Shoah**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in Jewish Studies.

Contact department for information to register for this course.

JWST319V **Special Topics in Jewish Studies; Religious and Politics Transformation in Modern Jewish History**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics in Jewish Studies.

Cross-listed with HIST329F. Credit will be only granted for JWST319V or HIST329F. Analysis of the social, cultural, and political forces that led to the emancipation of the Jews?the granting to them of equal rights with all other inhabitants of the countries in which they lived?and the integrationof a once-detested ethnic-religious group into European society. The f ocus of the course will be Europe, where most Jews lived in the period between 1650 and 1870.

0101	Marsha Rozenblit	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	TLF 1103	

JWST319Y **Archaeological Methods and Practice**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSHS

Prerequisite: ANTH240, ARTH200, CLAS180, or CLAS190. Cross-listed with: ANTH305, ARTH305, CLAS305. Credit only granted for: ANTH305, ARTH305, CLAS305, or JWST319Y.

A team-taught, interdisciplinary course discussing theories, methods, and ethical issues in the practice of archaeology.

0101	George Hambrecht	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	KEY 0126

JWST332 **The Israeli Settler Movement: The Road to One State?**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

Cross-listed with: HIST381, ISRL344. Credit only granted for: HIST329G, HIST381, ISRL329G, ISRL344, JWST332 or JWST319N. Formerly: JWST319N.

Explores the Israeli settler movement over the last four decades, from its position on the fringes of Israeli society in the 1970s and 1980s to its rise to prominence in Israeli politics today. Topics will include the history of the Israeli settlement project in the West Bank, the emergence of Gush Emunim and its ideological foundations in Jewish messianism, its violent offshoots, and the influence of the settler movement on the Israeli political system. Study of these topics illuminates some of the most important driving forces of modern history such as nationalism, religious fundamentalism, colonialism and the ability of a determined minority to influence a country's policies.

0101	Shay Hazkani	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TYD 1132

JWST369A **Special Topics in Study Abroad III; The Holocaust: 20th Century Jewish Thought**

Credits: 1-6 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

JWST372 **Jewry of Muscle: Zionism and Jewish Masculinity**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Cross-listed with: ISRL372. Credit only granted for: JWST319K, ISRL329K, JWST372 or ISRL372. Formerly: JWST319K or ISRL329K.

Part of the Zionist cultural project involved creating a new Jewish masculinity that would replace the diasporic "sissy Jew" with a strong, healthy new "Jewry of Muscle." Using literary and cinematic sources, we will analyze how these Zionist and Israeli cultural productions served to build (and sometimes undermine) this new model of Jewish masculinity.

0101	Shirelle Doughty	Seats (Total: 40)
	MW 3:30pm - 4:45pm	ONLINE

JWST374 **Yiddish and the Supernatural: Demons, Golems, and Dybbuks**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP

Yiddish folklore is marked by a fascination with the mystical world and a rich tapestry of supernatural tales. Explore how Jewish communities have used storytelling to grapple with questions of faith, morality, identity, and the unknown, and how the golems, demons, and dybbuks of this tradition have been adapted in literary translations and cinematic adaptations. Through literary analysis, historical inquiry, and creative interpretation, this course examines the enduring power of these stories in Jewish culture and the broader traditions of magical realism and horror. All texts will be available in English translation.

Cross listed with ENGL338A. Credit only granted for JWST374 or ENGL338A.

0101	Adi Mahalel TuTh 12:30pm - 1:45pm	Seats (Total: 20) ONLINE

JWST408 **Honors Seminar in Jewish Studies**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

An in-depth exploration of a theme in Jewish history, literature, culture or thought. Course subject and readings will vary from year to year, but will generally cut across periods, locations, or disciplines. Students are expected to engage the course material critically and to use the seminar as an opportunity to develop an independent research agenda.

Contact department for information to register for this course.

JWST409 **Research Seminar in Jewish Studies**

(Perm req)

Credits: 3-4 | Grading Method: Regular, Pass-Fail, Audit

A capstone course for Jewish Studies. Guides students through advanced source material and subject matter, research skills, and presentation techniques. A substantive paper based on independent research and analysis is one expected outcome.

Contact department for information to register for this course.

JWST418 **Honors Thesis Research in Jewish Studies**

(Perm req)

Credits: 3 | Grading Method: Regular

Guided research on a thesis under the supervision of the Jewish Studies faculty.

Contact department for information to register for this course.

JWST430 **Dead Sea Scrolls**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DSSP

Prerequisite: Must have completed one JWST course or one RELS course; or permission of ARHU-Meyerhoff Program & Center for Jewish Studies. Cross-listed with RELS430. Credit only granted for: JWST430 or RELS430.

A study of the Dead Sea Scrolls in their ancient and modern settings, and in terms of contemporary scholarly interpretations of their meaning. Interpretations of the historical significance of these documents, their connections to ancient Jewish sectarian movements, and their implications for our understanding of Judaism, Christianity, and the history of the Bible.

0101	Maxine Grossman	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	EGR 3106

JWST459 **Readings in Medieval Hebrew**

(Perm req)

Credits: 3-4 Grading Method: Regular, Pass-Fail, Audit

Readings and analysis of Hebrew texts and literature from the Middle Ages. Language of instruction in English; all texts in Hebrew.

Contact department for information to register for this course.

JWST468 **Readings in the Hebrew Bible**

(Perm req)

Credits: 3-4 Grading Method: Regular, Pass-Fail, Audit

Readings in the Hebrew text of the Bible. Emphasis in close reading, grammar analysis, and modern interpretations of the Bible. Language of instruction English; all texts in Hebrew.

Contact department for information to register for this course.

JWST469 **Readings in Rabbinic Hebrew**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Readings in classical rabbinic texts and related corpora. Emphasis on grammar and reading skills as well as critical analysis of the material. Language of instruction: English; all texts in original language.

Knowedge of Hebrw and/or permission of Instructor. Readings in Classical Rabbinic Texts and related corpora. Emphasis on grammar and reading skills as well as critical analysis of the material. Language of instruction: English; all texts

Contact department for information to register for this course.

JWST478 **Readings in Modern Hebrew**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Variable topics in Modern Hebrew Literature.

Contact department for information to register for this course.

JWST498 **Advanced Language Module for Jewish Studies**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

A supplementary language module for students enrolled in designated Jewish Studies classes. Language of instruction English, texts in original language.

Contact department or instructor for details. A supplementary language module for students enrolled in designated Jewish Studies classes. Language and instruction English, texts in original language.

0102	Matthew Suriano	Seats (Total: 5)
	Contact instructor or department for details.	

JWST499 **Independent Study in Jewish Studies**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

JWST609 **Supervised Instruction-Practicum in Jewish Studies**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Supervised instruction or supervised practicum in Jewish Studies. Intended for graduate students whose course work includes field work or classroom teaching.

Contact department for information to register for this course.

JWST619 **Directed Readings in Jewish Studies**

(Perm req)

Credits: 3 Grading Method: Regular

Independent Study in Jewish Studies. Readings and papers.

Contact department for information to register for this course.

JWST648 **Readings in Jewish History**

(Perm req)

Credits: 3 Grading Method: Regular

Focus on the central issues in Jewish history as well as the key historiographical debates on those issues.

Prerequisite: permission of department. Repeatable to 9 credits if content differs. Focus on the central issues in Jewish history as well as the key historiographical debates on those issues.

Contact department for information to register for this course.

JWST648D **Readings in Jewish History; Dead Sea Scrolls**

Credits: 3 Grading Method: Regular, Sat-Fail

Focus on the central issues in Jewish history as well as the key historiographical debates on those issues.

Cross listed with JWST430 and RELS430. Credit granted and JWST648D, JWST430, or RELS430. A study of the Dead Sea Scrolls in their ancient and modern settings, and in terms of contemporary scholarly interpretations of their meaning. Interpretations of the historical significance of these documents, their connections to ancient Jewish sectarian movements, and their implications for our understanding of Judaism, Christianity, and the history of the Bible.

0101	Maxine Grossman	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	EGR 3106

JWST658 **Readings in Jewish Thought and Culture**

(Perm req)

Credits: 3 Grading Method: Regular

Examines key issues in the development of Jewish thought and culture.

Prerequisite: permission of department. Repeatable to 9 credits if content differs. Examines key issues in the development of Jewish thought and culture.

Contact department for information to register for this course.

JWST678 **Readings in Jewish Literature**

(Perm req)

Credits: 3 Grading Method: Regular

Examines selected themes or literatures in the development of Jewish literary traditions.

Prerequisite: permission of department. Repeatable to 9 credits if content differs. Examines selected themes on literatures in the development of Jewish literary traditions.

Contact department for information to register for this course.

JWST699 **Independent Graduate Readings in Jewish Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular, Sat-Fail

Independent readings or guided research in a field of Jewish Studies with a member of the Jewish Studies graduate faculty.

Contact department for information to register for this course.

JWST799 **Masters Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Research and Writing the Masters Thesis in Jewish Studies.

Prerequisite: permission of department.

Contact department for information to register for this course.

KNES Kinesiology Fall 2025

KNES110 **Strength Training**

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: Must be in a major within the Kinesiology department. Credit only granted for: KNES157N, KNES157O, or KNES110. Formerly: KNES157N, KNES157O.

Strength training is a multi-modal form of physical activity with many health and fitness benefits. Using the FITT model, students will gain a better understanding of the impact strength training has on the human body, including physical and mental health, preparation for sports, and general fitness at a beginning or intermediate levels. Specifically, students will learn skills to plan their own strength training programs, and ways to modify them for fitness across the lifespan.

Attendance is required on the first day of class. Students must pay a $40.00 instructional materials fee. Restricted to KNES majors only. Non-majors may join a hold file.

0101	Jo Zimmerman **Meets September 2, 2025 - October 17, 2025** Class time/details on ELMs MW 11:00am - 12:50pm	Seats (Total: 25) ONLINE SPH 0103	 Lab
0201	Jo Zimmerman **Meets October 20, 2025 - December 12, 2025** Class time/details on ELMs MW 11:00am - 12:50pm	Seats (Total: 25) ONLINE SPH 0103	 Lab

KNES120 **Fitness Walking**

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: Must be in a major within the Kinesiology department. Credit only granted for: KNES120 or KNES120A. Formerly: KNES120A.

Provides students a comprehensive overview of walking as well as the physical and mental health benefits of engaging in walking. This class will help students better understand the impact walking has on cardiovascular and exercise health across a lifespan, how to create and implement fitness goals, the importance of proper technique and safety, and the intersection of public health and physical activity.

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee. Restricted to students in KNES major. Non-majors may join a hold file. Credit only granted for KNES120A or KNES120.

0101	Emily Blake Class time/details on ELMs Class time/details on ELMs	Seats (Total: 30) ONLINE ONLINE	 Lab

0102	Emily Blake	Seats (Total: 30)	
	Class time/details on ELMs	ONLINE	
	Class time/details on ELMs	ONLINE	Lab
0103	Emily Blake	Seats (Total: 30)	
	Class time/details on ELMs	ONLINE	
	Class time/details on ELMs	ONLINE	Lab
0104	Emily Blake	Seats (Total: 30)	
	Class time/details on ELMs	ONLINE	
	Class time/details on ELMs	ONLINE	Lab

KNES122 **Jogging**

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: Must be in a major within the Kinesiology department. Credit only granted for: KNES131N, KNES131O, or KNES131V. Formerly: KNES131N, KNES131O, KNES131V.

Provides students a comprehensive overview of jogging. Understanding that jogging is a form of physical activity that has many health and fitness benefits. This class will help students better understand the impact jogging has on the body, the importance of proper technique and form, nutrition and hydration, and injury prevention at a beginning level. Students will have the opportunity to choose between training for a 5k or a 10k.

Attendance is required on the first day of class. Students must pay a $40.00 instructional materials fee. Restricted to KNES majors only. Non-majors may join a hold file.

0101	Tim Henkel	Seats (Total: 30)	
	Meets September 2, 2025 - October 17, 2025		
	Class time/details on ELMs	ONLINE	
	MW 8:00am - 9:50am	SPH 2101	Lab

KNES136 **Beginning Golf**

Credits: 1 Grading Method: Regular, Pass-Fail

Credit only granted for: KNES137N or KNES136. Formerly: KNES137N. Additional information: This course meets at the University of Maryland Golf Course.

Student will learn the game of golf through the development of new skills and improve on existing skills, while expanding knowledge about the game. This is a beginning golf class intended for those who have little or no previous playing experience.

Attendance is required on the first day of class. Students must pay a $40.00 instructional materials fee.

0101	Jeff Maynor **Meets September 2, 2025 - October 17, 2025** MW 10:00am - 11:50am	Seats (Total: 24) GLF 1102	 Lab

KNES137 **Intermediate Golf**

Credits: 1 Grading Method: Regular, Pass-Fail

Credit only granted for: KNES137O or KNES137. Formerly: KNES137O. Additional information: This course meets at the University of Maryland Golf Course.

Focuses on helping the student improve on existing golf skills, lower their score and expand their overall knowledge of the game of golf. This is an intermediate golf class intended for those with previous playing experience.

Attendance is required on the first day of class. Students must pay a $40.00 instructional materials fee.

0101	Jeff Maynor **Meets September 2, 2025 - October 17, 2025** MW 12:00pm - 1:50pm	Seats (Total: 24) GLF 1102	 Lab

KNES141 **Tumbling and Balance**

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: Must be in a major within the Kinesiology department. Credit only granted for: KNES141 or KNES140V. Formerly: KNES140V.

Students will be introduced to the fundamentals of gymnastics specifically dealing with tumbling, routine development and partner balancing. This is a beginning gymnastics class designed for students with limited gymnastics experience. More advanced skills will be taught as the instructor feels students are ready to learn them. This seven-week course will focus on the safe execution of skills and fundamentals dealing with each of the above topics.

Attendance is required on the first day of class. Students must pay a $40.00 instructional materials fee. Restricted to KNES majors only. Non-majors may join a hold file.

0201	Joshua Montfort **Meets October 20, 2025 - December 12, 2025** MW 10:00am - 11:50am	Seats (Total: 24) SPH 1120	 Lab

KNES142 **Trampoline**

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: Must be in a major within the Kinesiology department. Credit only granted for: KNES140R or KNES142. Formerly: KNES140R.

Students will be introduced to the fundamentals of gymnastics specifically dealing with trampoline skills & routine development. This is a beginning gymnastics class designed for students with limited gymnastics experience. More advanced skills will be taught as the instructor feels students are ready to learn them. This seven-week course will focus on the safe execution of skills and fundamentals dealing with each of the above topics.

Attendance is required on the first day of class. Students must pay a $40.00 instructional materials fee. Restricted to KNES majors only. Non-majors may join a hold file.

0101	Andrea Liberto, Joshua Montfort **Meets September 2, 2025 - October 17, 2025** MW 10:00am - 11:50am	Seats (Total: 24) SPH 1120	 Lab

KNES151 **Professional Lifeguard Training**

Credits: 1 Grading Method: Regular, Pass-Fail

Recommended: Intermediate swimming skills, confidence in deep water. Credit only granted for: KNES151 or KNES154W. Formerly: KNES154W. Additional information: Students may obtain a lifeguard certificate/credential by passing a separate exam and skills test from the certifying organization. This is optional, and not required to earn course credit in the KNES151 course.

Lifeguarding will prepare students to respond to emergencies, promote safety in aquatic environments, and may even appeal to a future employer looking for a proven leader. Throughout the course, students will work towards American Red Cross certification requirements, including lifeguarding, CPR/AED, and First Aid. This class will also place an emphasis on professionalism, communication, teamwork, problem solving, and emergency response.

Attendance is required on the first day of class. Students must pay a $40.00 instructional materials fee.

0201	Stephanie Draminski **Meets October 20, 2025 - December 12, 2025** MW 10:00am - 11:50am	Seats (Total: 20) ERC B0120	 Lab

KNES154 **Beginning Swimming**

Credits: 1 Grading Method: Regular, Pass-Fail

Credit only granted for: KNES154 or KNES154N. Formerly: KNES154N.

Designed to increase water comfort, introduce students to the 6 basic swimming strokes and techniques, and improve one's level of physical fitness through swimming.

Attendance is required on the first day of class. Students must pay a $40.00 instructional materials fee.

0101	Michael Herdson, Ashley David **Meets September 2, 2025 - October 17, 2025** TuTh 11:00am - 12:50pm	Seats (Total: 20) ERC B0120	 Lab

KNES156 Pickleball

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: Must be in a major within the Kinesiology department.

Provides students with a comprehensive overview of pickleball. This course will help students to better understand the basic skills and etiquette of pickleball, how to score and play in tournament situations, how to apply and articulate the basic rules of pickleball during singles and double play, and explain the health benefits of pickleball.

Attendance is required on the first day of class. Students must pay a $40.00 instructional materials fee. Restricted to KNES majors only. Non-majors may join a hold file.

0101	Polly Sebastian Schurer **Meets September 2, 2025 - October 17, 2025** MW 2:00pm - 3:50pm *Section enrollment restricted by KNES department permission only for orientation students.*	Seats (Total: 24) SPH 2101	 Lab
0102	Andrea Liberto **Meets September 2, 2025 - October 17, 2025** TuTh 2:00pm - 3:50pm *Restricted to KNES majors only. Non-majors may join a hold file.*	Seats (Total: 24) SPH 2101	 Lab
0103	Polly Sebastian Schurer **Meets September 2, 2025 - October 17, 2025** MW 10:00am - 11:50am *Section enrollment restricted by KNES department permission only for orientation students.*	Seats (Total: 24) SPH 2101	 Lab

0202	Andrea Liberto **Meets October 20, 2025 - December 12, 2025**	Seats (Total: 24)	
	TuTh 2:00pm - 3:50pm	SPH 2101	Lab
	Restricted to KNES majors only. Non-majors may join a hold file.		

KNES160 Yoga

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: Must be in a major within the Kinesiology department. Credit only granted for: KNES161T or KNES160. Formerly: KNES161T.

Students will learn the basic principles of the yoga lifestyle, history & philosophy, anatomy & physiology, and physical asana/posture practice. This is a beginning level yoga class, so it is assumed that students have minimal to some physical yoga practice experience as well as minimal fundamental knowledge of a yogic practice.

Attendance is required on the first day of class. Students must pay a $40.00 instructional materials fee. Restricted to KNES majors only. Non-majors may join a hold file.

0101	Kate Shin **Meets September 2, 2025 - October 17, 2025**	Seats (Total: 30)	
	TuTh 11:00am - 12:50pm	SPH 0107	Lab

KNES164 Yoga for Strength

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Kinesiology major (08351).

A high-intensity yoga strength fitness experience, designed for students with minimal to some prior experience in physical yoga practice and fitness. Participants will engage in exercises that emphasize the benefits of light weights and high repetitions, aiming to enhance both strength and flexibility.

Attendance is required on the first day of class. Students must pay a $40.00 instructional materials fee. Restricted to KNES majors only. Non-majors may join a hold file.

0201	Kate Shin **Meets October 20, 2025 - December 12, 2025**	Seats (Total: 30)	
	TuTh 11:00am - 12:50pm	SPH 0107	Lab

KNES170 Beginner Martial Arts

Credits: 2

Grading Method: Regular, Pass-Fail

Credit only granted for: KNES144Q or KNES170. Formerly: KNES144Q.

Students will be introduced to Tang Soo Do, which is a Korean martial art. The student will learn and develop rudimentary skills necessary to progress in Tang Soo Do. The course is taught at the beginner level assuming no prior experience.

Attendance is required on the first day of class. Students must pay a $40.00 instructional materials fee.

0101	Kenneth Klotz MW 10:00am - 11:50am	Seats (Total: 30) SPH 0107	Lab

KNES172 Self Defense

Credits: 2

Grading Method: Regular, Pass-Fail

Credit only granted for: KNES144T or KNES172. Formerly: KNES144T.

Students will be introduced to practical self defense skills in this course. The student will learn and develop rudimentary skills necessary in both basic karate and jiu-jitsu. The course is taught at a beginner level assuming no prior experience.

Attendance is required on the first day of class. Students must pay a $40.00 instructional materials fee.

0101	Kenneth Klotz MW 8:00am - 9:50am	Seats (Total: 30) SPH 0107	Lab
0102	Kenneth Klotz WF 12:00pm - 1:50pm	Seats (Total: 30) SPH 0107	Lab

KNES173 Beginner BJJ & Martial Arts

Credits: 2

Grading Method: Regular, Pass-Fail, Audit

This is a coed physical activity course which introduces students to Brazilian Jiu-Jitsu through physically participating in fundamentals of the Art. Brazilian Jiu-Jitsu (BJJ) is a Brazilian martial art derived from the Japanese style, with a focus on grappling with particular emphasis on ground techniques. Students will learn basic escapes/submissions from ground positions. The student will learn and develop rudimentary skills necessary to progress in the above mentioned style. The course is taught at a beginner level and sparring (rolling) will not be permitted.

Attendance is required on the first day of class. Students must pay a $40.00 instructional materials fee.

0101	Michael Dorothy TuTh 9:00am - 10:50am	Seats (Total: 35) SPH 0107	Lab

KNES180 Volleyball

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within the SPHL-Kinesiology department. Credit only granted for: KNES180 or KNES160N. Formerly: KNES160N.

This course is intended for students with some volleyball experience. It will provide students with a comprehensive overview of the sport by integrating volleyball skills and tactics with a historical/sociocultural appreciation and value of the sport and its function or benefit in the greater sport world. Students will learn the rules and etiquette of volleyball, and implement their understandings in a series of skill & formation practices or tests, written assignment or exam, and tournament activities.

Attendance is required on the first day of class. Students must pay a $40.00 instructional materials fee.

0101	Tim Henkel **Meets September 2, 2025 - October 17, 2025** TuTh 12:00pm - 1:50pm	Seats (Total: 24) SPH 2101	Lab
0201	Tim Henkel **Meets October 20, 2025 - December 12, 2025** TuTh 10:00am - 11:50am	Seats (Total: 24) SPH 2101	Lab

KNES186 Basketball

Credits: 1 | Grading Method: Regular, Pass-Fail

Restriction: Must be in a major within the SPHL-Kinesiology department.

Basketball will provide students a comprehensive overview of the sport by integrating fundamental and advanced basketball skills with a historical appreciation for the sport and its function in the greater sporting world. Students will learn the rules of basketball, proper techniques and the basic principles of team offense and defense and implement their understanding of each in a series of informal and formal activities.

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee. Restricted to students in the KNES major. Non-majors may join a hold file. Credit only granted for KNES186 or KNES100N.

0101	Tim Henkel **Meets September 2, 2025 - October 17, 2025** TuTh 8:00am - 9:50am	Seats (Total: 32) SPH 2101	Lab

KNES192 Ultimate Frisbee

Credits: 1

Grading Method: Regular, Pass-Fail

Restriction: Must be in a major within the SPHL-Kinesiology department. Additional information: After the first day class will meet outdoors as much as weather permits.

This class will range from beginner techniques on throws and ultimate terminology and rules through a more complete understanding of the game and strategy which goes along with playing it. After the course, the goal is for students to be able to play in a pick up game, recreational league, or potential higher level of competition if desired.

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee. Restricted to students in the KNES major. Non-majors may join a hold file.

0101	Tim Henkel **Meets September 2, 2025 - October 17, 2025** TuTh 10:00am - 11:50am	Seats (Total: 24) SPH 2101	 Lab
0201	Tim Henkel **Meets October 20, 2025 - December 12, 2025** TuTh 12:00pm - 1:50pm	Seats (Total: 24) SPH 2101	 Lab

KNES200 **Introduction to Kinesiology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within the SPHL-Kinesiology department. Credit only granted for: KNES200 or KNES201.

Kinesiology is the interdisciplinary study of physical activity that includes seven sub-disciplines: 1) exercise physiology; 2) biomechanics; 3) sport psychology; 4) motor development; 5) motor control; 6) sport history; and 7) sport sociology. This course will examine these areas of study within Kinesiology from scientific and applied perspectives.

0101	Andrea Liberto Class time/details on ELMs Tu 9:30am - 10:45am *Restricted to students in KNES major. Non-majors may join a hold file.*	Seats (Total: 30) ONLINE SPH 0302	 Discussion
0102	Andrea Liberto Class time/details on ELMs Tu 11:00am - 12:15pm *Restricted to students in KNES major. Non-majors may join a hold file.*	Seats (Total: 30) ONLINE SPH 1302	 Discussion

0103	Andrea Liberto	Seats (Total: 30)	
	Class time/details on ELMs Th 9:30am - 10:45am	ONLINE SPH 0302	Discussion
	Restricted to students in KNES major. Non-majors may join a hold file.		
0104	Andrea Liberto	Seats (Total: 30)	
	Class time/details on ELMs Th 11:00am - 12:15pm	ONLINE SPH 1302	Discussion
	Restricted to students in KNES major. Non-majors may join a hold file.		
FC01	Emma Powell	Seats (Total: 36)	
	Tu 4:30pm - 5:45pm Class time/details on ELMs	SPH 0308 ONLINE	
	Restricted to students in Freshmen Connection.		

KNES225 **Hoop Dreams: Black Masculinity and Sport**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHS, SCIS

Has sport disadvantaged African American males? This course critically examines sport as a site where notions of black masculinity are publicly debated, critiqued, challenged, celebrated, and also transformed. Utilizing an interdisciplinary approach, this course explores how sport has been invoked across the political and ideological spectrum to interrogate a number of issues impacting the life chances of young, African Americans males including educational attainment, poverty, social mobility, racism, cultural production, and notions of masculinity.

0101	Ronald Mower	Seats (Total: 45)	
	MW 4:00pm - 5:15pm	SPH 1303	

KNES226 **The Cybernetic Human**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSNS, SCIS

Can the profound and rapid technological advances experienced in the 21st century change what it means to be human or the nature of humanity? Emergent technologies, new materials, increased computer power, engineering innovations, and groundbreaking work in the sciences of cognition and action provide myriad opportunities for repairing and enhancing the human body and brain. Examines the ethical, social, and technological implications of an increasing synergism of technology and the body in sports and the arts, at work or home, rehabilitating the body and the brain, and society at large.

0101	Tim Kiemel	Seats (Total: 20)	
	MF 2:00pm - 2:50pm W 11:00am - 11:50am	CCC 1100 SPH 0303	Discussion

0102	Tim Kiemel MF 2:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 20) CCC 1100 SPH 0303		Discussion
0103	Tim Kiemel MF 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 20) CCC 1100 SPH 0303		Discussion
0104	Tim Kiemel MF 2:00pm - 2:50pm W 2:00pm - 2:50pm	Seats (Total: 20) CCC 1100 SPH 0303		Discussion

KNES260 **Science of Physical Activity and Cardiovascular Health**

Credits: 3 | Grading Method: Regular, Pass-Fail | CORE: LS | General Education: DSNS, DSSP

Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.

0101	James Hagberg MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 22) SPH 0302 SPH 0125		Discussion
0102	James Hagberg MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 22) SPH 0302 SPH 0125		Discussion

KNES265 **Mathematical, Physical, & Statistical Basis of Kinesiology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: KNES265 or KNES289P. Formerly: KNES289P.

Mathematical, physical, and statistical foundations for human movement quantification, analysis, and evaluation. Upon successful completion, this course is expected to better prepare students for the science Core courses, such as biomechanics, exercise physiology, and motor control, that are required for Kinesiology majors.

0101	Jae Kun Shim Class time/details on ELMs	Seats (Total: 30) ONLINE		

KNES282 **Basic Care and Prevention of Athletic Injuries**

Credits: 3 | Grading Method: Regular, Pass-Fail

Restriction: Must be in a major within the SPHL-Kinesiology department.

Theoretical and practical foundations of the prevention, recognition, and basic rehabilitation of athletically related injuries and common sport conditions.

Restricted to KNES majors only. Non-majors may join a hold file.

0101	Joanne Klossner TuTh 2:00pm - 3:15pm *This section is for KNES Majors Only.*	Seats (Total: 40) SPH 1303	

KNES285 **History of Physical Culture, Sport, & Science in America**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP

Restriction: Restricted to majors or non-majors with less than or equal to 60 credits. Credit only granted for: KNES285 or KNES293.

Examines the history of physical culture in America, focusing on the period from the end of the Civil War to the Cold War. Physical culture refers to a broad range of movement practices including sport, play, rehabilitative exercise, health and fitness training, and recreation and leisure. More specifically, we challenge the idea that historical physical culture practices--and the scientific processes from which they were derived--were 'neutral' or 'objective'; rather, we explore the cultural, social, political, and economic contexts shaping physical culture knowledge, study, structures, and policies across American history. The goal is for you to learn and apply techniques of historical analysis to develop a critical understanding of how knowledge about, and practices of, physical culture supported a particular social order via the construction of difference, norms, and/or hierarchies, and ultimately contributed to some of the inequalities that endure today.

0101	Shannon Jette MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 18) SPH 1312 SPH 0305	Discussion
0102	Shannon Jette MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 18) SPH 1312 SPH 0305	Discussion
0103	Shannon Jette MW 10:00am - 10:50am W 3:00pm - 3:50pm	Seats (Total: 18) SPH 1312 SPH 0305	Discussion

0104	Shannon Jette MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0305	Discussion
	This section is restricted to orientation students in Kinesiology.		
0105	Shannon Jette MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0305	Discussion
	This section is restricted to orientation students in Kinesiology.		
0106	Shannon Jette MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 SPH 0305	Discussion
FC01	Lauren Nowosatka MW 4:30pm - 5:45pm	Seats (Total: 40) SPH 0308	
	Restricted to students in Freshmen Connection.		

KNES286 **Empowering Healthy Physical Activity**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Learn evidence-based techniques that health professionals use to promote physical activity programs that meet the needs of diverse populations. Develop and implement an intervention plan targeting a specific population.

0101	Jo Zimmerman M 8:00am - 9:50am Class time/details on ELMs	Seats (Total: 24) SPH 0302 ONLINE

KNES287 **Sport and American Society**

Credits: 3 | Grading Method: Regular, Pass-Fail | CORE: SB, D | General Education: DSHS, DVUP

Recommended: Minimum grade of C- in KNES285.

Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.

Restricted to majors or non-majors with less than or equal to 45 credits.

0101	David Andrews MW 2:00pm - 2:50pm M 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0305	Discussion
0102	David Andrews MW 2:00pm - 2:50pm M 9:00am - 9:50am	Seats (Total: 18) SPH 1312 SPH 0305	Discussion
0103	David Andrews MW 2:00pm - 2:50pm M 10:00am - 10:50am *This section is restricted to orientation students in Kinesiology.*	Seats (Total: 18) SPH 1312 SPH 0305	Discussion
0104	David Andrews MW 2:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0305	Discussion
0105	David Andrews MW 2:00pm - 2:50pm W 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0305	Discussion
0106	David Andrews MW 2:00pm - 2:50pm W 9:00am - 9:50am *This section is restricted to orientation students in Kinesiology.*	Seats (Total: 18) SPH 1312 SPH 0305	Discussion

KNES289 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Prerequisite: permission of department.

Contact department for information to register for this course.

KNES289Z **Topical Investigations; The Kinesiology Major**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

0101	Polly Sebastian Schurer Th 9:30am - 10:45am *This section is restricted to incoming students in Kinesiology.*	Seats (Total: 24) ATL 1106	
0102	Polly Sebastian Schurer Tu 9:30am - 10:45am *Section enrollment restricted by KNES department permission only.*	Seats (Total: 24) ATL 1106	

KNES300 Biomechanics of Human Motion

Credits: 4 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in BSCI201; and minimum grade of C- in MATH113 or higher. Recommended: KNES265 or PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department.

The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

Students must pay a $75 lab fee.

0101	Ross Miller MW 3:00pm - 3:50pm Class time/details on ELMs Tu 8:00am - 9:50am	Seats (Total: 12) SPH 1312 ONLINE SPH 0223	 Lab
0102	Ross Miller MW 3:00pm - 3:50pm Class time/details on ELMs Tu 10:00am - 11:50am	Seats (Total: 12) SPH 1312 ONLINE SPH 0223	 Lab
0103	Ross Miller MW 3:00pm - 3:50pm Class time/details on ELMs Tu 12:00pm - 1:50pm	Seats (Total: 12) SPH 1312 ONLINE SPH 0223	 Lab
0104	Ross Miller MW 3:00pm - 3:50pm Class time/details on ELMs Tu 2:00pm - 3:50pm	Seats (Total: 12) SPH 1312 ONLINE SPH 0223	 Lab

0105	Ross Miller MW 3:00pm - 3:50pm Class time/details on ELMs Th 8:00am - 9:50am	Seats (Total: 12) SPH 1312 ONLINE SPH 0223	 Lab
0106	Ross Miller MW 3:00pm - 3:50pm Class time/details on ELMs Th 10:00am - 11:50am	Seats (Total: 12) SPH 1312 ONLINE SPH 0223	 Lab

KNES305 **Principles & Application of Exercise Rehabilitation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI201 and BSCI202; and 1 course with a minimum grade of C- from (KNES300, KNES350, KNES360, KNES370, KNES385). Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits.

In-depth analysis of the basic principles of rehabilitation and exercise programming for common injuries encountered in a clinical setting. Basic assessment techniques, ranges of motion, muscular anatomy, rehabilitative protocols, and exercise modalities are a major focus.

0101	Larry Plotkin TuTh 8:00am - 9:15am	Seats (Total: 30) SPH 0308

KNES305H **Principles & Application of Exercise Rehabilitation**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in BSCI201 and BSCI202; and 1 course with a minimum grade of C- from (KNES300, KNES350, KNES360, KNES370, KNES385). Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits.

In-depth analysis of the basic principles of rehabilitation and exercise programming for common injuries encountered in a clinical setting. Basic assessment techniques, ranges of motion, muscular anatomy, rehabilitative protocols, and exercise modalities are a major focus.

Restricted to students who have been admitted in the Kinesiology Honors program.

0101	Larry Plotkin TuTh 8:00am - 9:15am	Seats (Total: 3) SPH 0308

KNES306 **Prosthetics for Limb Amputations**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in BSCI201, BSCI202, and KNES300. Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits.

Introduction to the science of prosthetics and the artificial devices that are designed, developed and fit to replace the missing body part or parts lost through trauma, disease or congenital conditions.

0101	Michelle Jamin	Seats (Total: 28)
	W 5:00pm - 7:30pm	SPH 0307

KNES306H **Prosthetics for Limb Amputations**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in BSCI201, BSCI202, and KNES300. Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits.

Introduction to the science of prosthetics and the artificial devices that are designed, developed and fit to replace the missing body part or parts lost through trauma, disease or congenital conditions.

Restricted to students who have been admitted in the Kinesiology Honors program.

0101	Michelle Jamin	Seats (Total: 2)
	W 5:00pm - 7:30pm	SPH 0307

KNES320 **Physiological Basis of Physical Activity and Human Health**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI201 and BSCI202. Restriction: Must be in Public Health Science program. Credit only granted for: KNES360 or KNES320.

A study of the responses and chronic adaptations to physical activity and exercise, with particular emphasis on the interaction between human health and physical activity. The laboratory component of course will focus on the assessment of physical activity and measurement of physiological adaptations to exercise. Students are expected to gain an understanding and appreciation for the benefits of physical activity and exercise in the context of public health.

Students must pay a $75 lab fee.

0101	Jeffrey Beans	Seats (Total: 18)	
	Class time/details on ELMs	ONLINE	
	Th 4:00pm - 5:15pm	SPH 1312	
	M 12:00pm - 1:50pm	SPH 0125	Lab

Restricted to College Park students in the Public Health Science major.

0102	Jeffrey Beans	Seats (Total: 18)	
	Class time/details on ELMs Th 4:00pm - 5:15pm M 2:00pm - 3:50pm	ONLINE SPH 1312 SPH 0125	 Lab
	Restricted to College Park students in the Public Health Science major.		
0103	Jeffrey Beans	Seats (Total: 18)	
	Class time/details on ELMs Th 4:00pm - 5:15pm W 8:00am - 9:50am	ONLINE SPH 1312 SPH 0125	 Lab
	Restricted to College Park students in the Public Health Science major.		
0104	Jeffrey Beans	Seats (Total: 18)	
	Class time/details on ELMs Th 4:00pm - 5:15pm W 10:00am - 11:50am	ONLINE SPH 1312 SPH 0125	 Lab
	Restricted to College Park students in the Public Health Science major.		
0105	Jeffrey Beans	Seats (Total: 18)	
	Class time/details on ELMs Th 4:00pm - 5:15pm W 12:00pm - 1:50pm	ONLINE SPH 1312 SPH 0125	 Lab
	Restricted to College Park students in the Public Health Science major.		
0106	Jeffrey Beans	Seats (Total: 18)	
	Class time/details on ELMs Th 4:00pm - 5:15pm W 2:00pm - 3:50pm	ONLINE SPH 1312 SPH 0125	 Lab
	Restricted to College Park students in the Public Health Science major.		
0107	Jeffrey Beans	Seats (Total: 18)	
	Class time/details on ELMs Th 4:00pm - 5:15pm F 10:00am - 11:50am	ONLINE SPH 1312 SPH 0125	 Lab
	Restricted to College Park students in the Public Health Science major.		

0108	Jeffrey Beans	Seats (Total: 18)	
	Class time/details on ELMs Th 4:00pm - 5:15pm F 12:00pm - 1:50pm	ONLINE SPH 1312 SPH 0125	 Lab
	Restricted to College Park students in the Public Health Science major.		
ESG1	Noah Gibson	Seats (Total: 22)	
	Class time/details on ELMs W 10:00am - 11:50am	ONLINE BLD4 2328	 Lab
	Restricted to Shady Grove students in the Public Health Science major.		

KNES332 **Exercise Testing & Prescription for Fitness Professionals**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in KNES360. Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits.

Practical applications of exercise physiology and psychology to target fitness instruction for the general adult population Includes discussion of certification standards and professional development as well as evaluation of program safety and current trends.

0101	Jo Zimmerman WF 8:00am - 9:50am	Seats (Total: 25) SPH 0302

KNES332H **Exercise Testing & Prescription for Fitness Professionals**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in KNES360. Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits.

Practical applications of exercise physiology and psychology to target fitness instruction for the general adult population Includes discussion of certification standards and professional development as well as evaluation of program safety and current trends.

Restricted to students who have been admitted in the Kinesiology Honors program.

0101	Jo Zimmerman WF 8:00am - 9:50am	Seats (Total: 2) SPH 0302

KNES340 **The Foundations of Public Health in Kinesiology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in KNES287; and minimum grade of C- in SPHL100. Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits. Credit only granted for: KNES340 or KNES400. Formerly: KNES400.

An investigation of the role of physical activity and inactivity in relation to health and well-being through a public health perspective. Past and current perspectives on health promotion, health education, and social policies and approaches will be examined for various populations.

Restricted to KNES majors only. Non-majors may join a hold file.

0101	Emma Powell	Seats (Total: 30)
	MWF 11:00am - 11:50am	ATL 2416

KNES345 **Building International Sport-for-Development Capacities within Jamaican and American Physical Culture & Commerce**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: KNES287. Recommended: KNES346.

This Global Classrooms course examines the confluence of an increasingly globalized sport culture and industry, the evolving Sport-for-Development and Peace (SDP) movement, and calls for more critically aware and socially just, programming in sport, physical education, and public health. As a problems-based course, students at the University of Maryland (College Park) and the University of the West Indies (UWI-Jamaica) will connect virtually in a shared process of investigating the delivery of sport, fitness, recreation, and health/wellness programming in their local communities. Close attention is paid to building solidarities through activities that refine capacities for active listening, self-reflexivity, and socio-historically contextualized critical thinking. Applying these skills in forms of local outreach, students will use their voice in the creation and/or reformulation of programs serving the sporting, health, and recreation needs of local populations in Jamaica and the US.

0101	Ronald Mower	Seats (Total: 25)
	MW 2:00pm - 2:50pm Class time/details on ELMs	SPH 0121 ONLINE

KNES350 **The Psychology of Sports & Exercise**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSHS

Restriction: Must have earned a minimum of 45 credits.

An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

Restricted to students with a minimum of 45 credit or greater.

0101	Elizabeth Brown TuTh 2:00pm - 3:15pm *Restricted to students in KNES major (08351).*	Seats (Total: 40) SPH 1312
0102	Elizabeth Brown TuTh 2:00pm - 3:15pm	Seats (Total: 30) SPH 1312
0103	J Carson Smith TuTh 9:30am - 10:45am *Restricted to students in KNES major (08351).*	Seats (Total: 40) SPH 1312
0104	J Carson Smith TuTh 9:30am - 10:45am	Seats (Total: 30) SPH 1312

KNES350H **The Psychology of Sports & Exercise**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

Restriction: Must have earned a minimum of 45 credits.

An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

Restricted to students who have been admitted in the Kinesiology Honors program.

0101	Elizabeth Brown TuTh 2:00pm - 3:15pm	Seats (Total: 3) SPH 1312

KNES354 **Sports Finance & Business Intelligence**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Prerequisite: At least 1 course from the Kinesiology core courses at the 300-level or higher completed with a minimum grade of C-. Restriction: Must have earned a minimum of 75 credits. Credit only granted for: KNES243 or KNES354. Formerly: KNES243.

As society has evolved with advances in technology, so have the financial and analytical fundamentals of spectator sports leagues. In this course, students will examine modern business principles in for-profit sports leagues, understand current practices for successful operation and revenue generation, and explore how analytics and emerging categories play a crucial role in an organization's growth and competitiveness in their respective markets. Through their foundational understanding and data analysis, students gain competency in identifying threats to revenue growth and explore emerging categories to offset those threats and further diversify the product offerings to enhance the viability of sports organizations.

0101	Thomas Nagle **Meets September 2, 2025 - October 17, 2025** Class time/details on ELMs	Seats (Total: 30) ONLINE	

KNES360 **Physiology of Exercise**

Credits: 4 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in BSCI201 and BSCI202; or permission of SPHL-Kinesiology department. Restriction: Must be in one of the following programs (Kinesiology; Public Health Science).

A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

Students must pay a $75 lab fee.

0101	Steven Prior MW 12:00pm - 12:50pm Class time/details on ELMs Tu 8:00am - 9:50am *Restricted to students in the Kinesiology major (code:08351).*	Seats (Total: 12) SPH 1312 ONLINE SPH 0125	Lab
0102	Steven Prior MW 12:00pm - 12:50pm Class time/details on ELMs Tu 10:00am - 11:50am *Restricted to students in the Kinesiology major (code:08351).*	Seats (Total: 12) SPH 1312 ONLINE SPH 0125	Lab
0103	Steven Prior MW 12:00pm - 12:50pm Class time/details on ELMs Tu 12:00pm - 1:50pm *Restricted to students in the Kinesiology major (code:08351).*	Seats (Total: 12) SPH 1312 ONLINE SPH 0125	Lab
0104	Steven Prior MW 12:00pm - 12:50pm Class time/details on ELMs Tu 2:00pm - 3:50pm *Restricted to students in the Kinesiology major (code:08351).*	Seats (Total: 12) SPH 1312 ONLINE SPH 0125	Lab

0107	Steven Prior MW 12:00pm - 12:50pm Class time/details on ELMs Th 12:00pm - 1:50pm	Seats (Total: 12) SPH 1312 ONLINE SPH 0125	Lab
	Restricted to students in the Kinesiology major (code:08351).		
0108	Steven Prior MW 12:00pm - 12:50pm Class time/details on ELMs Th 2:00pm - 3:50pm	Seats (Total: 12) SPH 1312 ONLINE SPH 0125	Lab
	Restricted to students in the Kinesiology major (code:08351).		

KNES370 **Motor Development**

Credits: 3 Grading Method: Regular, Pass-Fail

Restriction: Must be in a major within SPHL-Kinesiology department.

Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

0101	Tim Kiemel MW 1:00pm - 1:50pm M 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0223	Discussion
0102	Tim Kiemel MW 1:00pm - 1:50pm M 9:00am - 9:50am	Seats (Total: 18) SPH 1312 SPH 0223	Discussion
	This section is restricted to orientation students in Kinesiology.		
0105	Tim Kiemel MW 1:00pm - 1:50pm W 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0223	Discussion
0106	Tim Kiemel MW 1:00pm - 1:50pm W 9:00am - 9:50am	Seats (Total: 18) SPH 1312 SPH 0223	Discussion
	This section is restricted to orientation students in Kinesiology.		

0107	Tim Kiemel MW 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0223	 Discussion
0108	Tim Kiemel MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0223	 Discussion

KNES385 **Motor Control and Learning**

Credits: 4 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in BSCI201, and a minimum grade of C- in MATH113 or higher. Recommended: KNES265 or PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department.

This introductory course investigates how humans control and adapt their movements to perform and learn a variety of motor skills, ranging from activities of daily living to elite athlete performance. This course examines the underlying cognitive, sensory and motor processes of control and adaptation of human movements both at the behavioral and neurophysiological levels. Relevant applications to movement rehabilitation as well as performance optimization are employed to illustrate the concepts discussed in class. The cognitive, sensory and motor mechanisms underlying motor control are explored first and then in a motor learning context.

Students must pay a $75 lab fee.

0101	Rodolphe Gentili TuTh 12:30pm - 1:45pm M 12:00pm - 1:50pm	Seats (Total: 14) PLS 1140 SPH 0223	 Lab
0102	Rodolphe Gentili TuTh 12:30pm - 1:45pm M 2:00pm - 3:50pm	Seats (Total: 14) PLS 1140 SPH 0223	 Lab
0103	Rodolphe Gentili TuTh 12:30pm - 1:45pm W 12:00pm - 1:50pm	Seats (Total: 14) PLS 1140 SPH 0223	 Lab
0104	Rodolphe Gentili TuTh 12:30pm - 1:45pm W 2:00pm - 3:50pm	Seats (Total: 14) PLS 1140 SPH 0223	 Lab

0106	Rodolphe Gentili TuTh 12:30pm - 1:45pm F 10:00am - 11:50am	Seats (Total: 14) PLS 1140 SPH 0223	 Lab
0107	Rodolphe Gentili TuTh 12:30pm - 1:45pm F 12:00pm - 1:50pm	Seats (Total: 14) PLS 1140 SPH 0223	 Lab

KNES385H **Motor Control and Learning**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in BSCI201, and a minimum grade of C- in MATH113 or higher. Recommended: KNES265 or PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department.

This introductory course investigates how humans control and adapt their movements to perform and learn a variety of motor skills, ranging from activities of daily living to elite athlete performance. This course examines the underlying cognitive, sensory and motor processes of control and adaptation of human movements both at the behavioral and neurophysiological levels. Relevant applications to movement rehabilitation as well as performance optimization are employed to illustrate the concepts discussed in class. The cognitive, sensory and motor mechanisms underlying motor control are explored first and then in a motor learning context.

Restricted to students who have been admitted in the Kinesiology Honors program. Students must pay a $75 lab fee.

0101	Rodolphe Gentili TuTh 12:30pm - 1:45pm Contact instructor or department for details.	Seats (Total: 4) PLS 1140	

KNES386 **Service Learning in Kinesiology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Must have completed three KNES core classes. Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits; and must have permission from the Kinesiology department. Additional information: Coaching days and times will vary by the community organization, and some locations may be off-campus.

Provides students practical experiences by applying classroom concepts and skills to real-world situations in the local community. Students will serve as volunteer coaches and mentors with a community organization focused on promoting physical activity and social-emotional learning/well being.

0101	Emma Powell	Seats (Total: 4)	
	F 12:00pm - 1:50pm M 2:30pm - 4:30pm	SPH 1302 Location: TBA	Lab
	This Lab will be partnered with Girls on the Run DC, with sites TBD. Each lab site will be a local elementary school within a 15 minutes drive of the School of Public Health.		
0102	Emma Powell	Seats (Total: 4)	
	F 12:00pm - 1:50pm Tu 2:30pm - 4:30pm	SPH 1302 Location: TBA	Lab
	This Lab will be partnered with Girls on the Run DC, with sites TBD. Each lab site will be a local elementary school within a 15 minutes drive of the School of Public Health.		
0103	Emma Powell	Seats (Total: 4)	
	F 12:00pm - 1:50pm W 2:30pm - 4:30pm	SPH 1302 Location: TBA	Lab
	This Lab will be partnered with Girls on the Run DC, with sites TBD. Each lab site will be a local elementary school within a 15 minutes drive of the School of Public Health.		
0104	Emma Powell	Seats (Total: 4)	
	F 12:00pm - 1:50pm Th 2:30pm - 4:30pm	SPH 1302 Location: TBA	Lab
	This Lab will be partnered with Girls on the Run DC, with sites TBD. Each lab site will be a local elementary school within a 15 minutes drive of the School of Public Health.		
0105	Emma Powell	Seats (Total: 10)	
	F 12:00pm - 1:50pm Su 10:30am - 1:30pm	SPH 1302 SPH 2101	Lab
	This Lab will be partnered with Kids Enjoy Exercise Now (KEEN) of Greater DC. This lab site will be located in the SPH 2101 Volleyball Gym.		

KNES389 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Prerequisite: permission of instructor and department. This class does NOT fulfill a KNES Options Requirement.

Contact department for information to register for this course.

KNES389F **Topical Investigations; Sport History and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Contact department for information to register for this course.

KNES389K **Topical Investigations; Kinesiology Internship**

(Perm req)

Credits: 3 Grading Method: Regular

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Prerequisite: permission of instructor and department.

Contact department for information to register for this course.

KNES401 **Zip Code: Prediction of Physical Activity & Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in SPHL100. Restriction: Must have earned a minimum of 75 credits; and must be in a major within, SPHL-Kinesiology department.

An exploration of the relationship and impacts of built and other social environments on health, including physical activity, social equity, gentrification, and many others.

0101	Jennifer Roberts W 4:00pm - 6:30pm	Seats (Total: 26) SPH 0303

KNES401H **Zip Code: Prediction of Physical Activity & Health**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in SPHL100. Restriction: Must have earned a minimum of 75 credits; and must be in a major within, SPHL-Kinesiology department.

An exploration of the relationship and impacts of built and other social environments on health, including physical activity, social equity, gentrification, and many others.

Restricted to students who have been admitted in the Kinesiology Honors program.

0101	Jennifer Roberts W 4:00pm - 6:30pm	Seats (Total: 2) SPH 0303

KNES405 **Principles & Techniques of Manual Muscle Testing**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in BSCI201 and BSCI202; and 1 course with a minimum grade of C- from Kinesiology core courses at the 300-level or higher. Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits. Additional information: This course emphasizes hands-on application of skills. Course participation is critical.

It is critical for sports medicine and sport performance specialists to understand the location and inter-relationships of the structures of the body that impact human movement. Thus, the primary purpose of this course is to facilitate an in-depth, understanding of the muscles of the body. Specifically, students will learn the origins, insertions, primary and secondary functions, as well as nervous innervations of the major muscle groups of the body. In addition, students will develop palpation skills and learn to grade the function of each muscle through manual muscle testing techniques. These skills form the foundation for assessing functional movement as well as performing safe and effective manual therapy techniques. Thus, while the focus of the class will be to develop sound, introductory palpation and manual muscle testing skills, basic principles of functional movement and manual therapy will also be addressed through hands-on application as well as case study.

0101	Joanne Klossner, Larry Plotkin	Seats (Total: 18)
	TuTh 11:00am - 12:15pm	SPH 0121

KNES405H **Principles & Techniques of Manual Muscle Testing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in BSCI201 and BSCI202; and 1 course with a minimum grade of C- from Kinesiology core courses at the 300-level or higher. Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits. Additional information: This course emphasizes hands-on application of skills. Course participation is critical.

It is critical for sports medicine and sport performance specialists to understand the location and inter-relationships of the structures of the body that impact human movement. Thus, the primary purpose of this course is to facilitate an in-depth, understanding of the muscles of the body. Specifically, students will learn the origins, insertions, primary and secondary functions, as well as nervous innervations of the major muscle groups of the body. In addition, students will develop palpation skills and learn to grade the function of each muscle through manual muscle testing techniques. These skills form the foundation for assessing functional movement as well as performing safe and effective manual therapy techniques. Thus, while the focus of the class will be to develop sound, introductory palpation and manual muscle testing skills, basic principles of functional movement and manual therapy will also be addressed through hands-on application as well as case study.

Restricted to students who have been admitted in the Kinesiology Honors program.

0101	Joanne Klossner, Larry Plotkin	Seats (Total: 2)
	TuTh 11:00am - 12:15pm	SPH 0121

KNES440 **Psychology of Athletic Performance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in KNES350. Restriction: Must have earned a minimum of 75 credits.

Examines the psychological factors, mechanisms, and processes in athletic performance. Utilizes a social psychological approach to focus on the study and review of individual performance in both the interpersonal and social context.

0101	Seppo Iso-Ahola	Seats (Total: 30)
	M 4:00pm - 6:30pm	SPH 1302

KNES440H **Psychology of Athletic Performance**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in KNES350. Restriction: Must have earned a minimum of 75 credits.

Examines the psychological factors, mechanisms, and processes in athletic performance. Utilizes a social psychological approach to focus on the study and review of individual performance in both the interpersonal and social context.

Restricted to students who have been admitted in the Kinesiology Honors program.

0101	Seppo Iso-Ahola	Seats (Total: 3)
	M 4:00pm - 6:30pm	SPH 1302

KNES450 **From the Olympics to the Rehabilitation Clinic: Mental Skills Training Applications**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in KNES350. Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits. Credit only granted for: KNES498G or KNES450. Formerly: KNES498G.

The examination and application of the major concepts of human performance psychology in, and beyond, the professional, collegiate, amateur and youth sport athletic spaces to allied health practitioner (PT, OT, OR, PA, RN), athletic and personal training, and tactical athlete (i.e., military, law enforcement, and firefighting) environments. An essential component of the class will be the reliance on reading and reviewing both classic articles and the recent evidence-based research in which applied strategies and techniques are based. Students will be taught to critically analyze the research by 1) understanding the purpose of the research, 2) identifying the experimental design and how it contrasts the difference between experimental and control conditions, 3) understanding the outcome of the research, and 4) understanding how the outcome of the research may be applicable to the human performance and allied health environments.

0101	Jay Goldstein	Seats (Total: 20)
	TuTh 9:30am - 10:45am	JMZ 1215

KNES451 **Children and Sport: A Psychosocial Perspective**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in KNES350. Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits.

Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers.

0101	Elizabeth Brown TuTh 11:00am - 12:15pm	Seats (Total: 30) SPH 0308

KNES451H **Children and Sport: A Psychosocial Perspective**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in KNES350. Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits.

Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers.

Restricted to students who have been admitted in the Kinesiology Honors program.

0101	Elizabeth Brown TuTh 11:00am - 12:15pm	Seats (Total: 1) SPH 0308

KNES457 **Managing Youth Programs: Educational, Fitness and Sport**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in KNES350 and KNES370. Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits.

An examination of the basic functions involved in managing physical education, fitness, and youth sports programs. Focus on leadership skills, organizational management, and techniques for applying learned skills in a variety of organizational settings that serve the nation's youth.

0101	Jay Goldstein TuTh 2:00pm - 3:15pm	Seats (Total: 36) SPH 0308

KNES465 **Physical Activity and Disease Prevention and Treatment**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (KNES320, KNES360). Restriction: Must have earned a minimum of 75 credits.

Critically examines the scientific evidence that supports the use of physical activity to prevent and treat age-related diseases, including cardiovascular disease, diabetes, abnormal lipoprotein-lipid levels, hypertension, obesity, osteoporosis and cancer.

0101	Sushant Ranadive TuTh 11:00am - 12:15pm	Seats (Total: 25) SPH 0307

KNES465H **Physical Activity and Disease Prevention and Treatment**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (KNES320, KNES360). Restriction: Must have earned a minimum of 75 credits.

Critically examines the scientific evidence that supports the use of physical activity to prevent and treat age-related diseases, including cardiovascular disease, diabetes, abnormal lipoprotein-lipid levels, hypertension, obesity, osteoporosis and cancer.

Restricted to students who have been admitted in the Kinesiology Honors program.

0101	Sushant Ranadive TuTh 11:00am - 12:15pm	Seats (Total: 3) SPH 0307

KNES476 **Honors Thesis Proposal**

(Perm req)

Credits: 3 Grading Method: Regular

Corequisite: KNES478. Restriction: Must be a KNES Honors student; and senior standing.

Development of honors thesis proposal based on preliminary research and literature review. Presentation of formal proposal to the thesis committee and fellow honors students.

0101	Tim Kiemel F 10:00am - 10:50am	Seats (Total: 20) Location: TBA
0102	Sushant Ranadive Contact instructor or department for details.	Seats (Total: 5)
0103	Jennifer Roberts Contact instructor or department for details.	Seats (Total: 5)
0104	Ronald Mower Contact instructor or department for details.	Seats (Total: 5)
0105	Steven Prior Contact instructor or department for details.	Seats (Total: 5)

0106	Bradley Hatfield Contact instructor or department for details.	Seats (Total: 5)
0107	David Andrews Contact instructor or department for details.	Seats (Total: 5)
0108	Sarah Glancy Contact instructor or department for details.	Seats (Total: 5)
0109	Jae Kun Shim Contact instructor or department for details.	Seats (Total: 5)
0110	Shannon Jette Contact instructor or department for details.	Seats (Total: 5)
0111	J Carson Smith Contact instructor or department for details.	Seats (Total: 5)
0112	Rodolphe Gentili Contact instructor or department for details.	Seats (Total: 5)
0113	Ross Miller Contact instructor or department for details.	Seats (Total: 5)

KNES478 **Honors Seminar**

(Perm req)

Credits: 1 Grading Method: Regular

Guided discussion of research topics of current interest.

Continuing KNES Honors Students must enroll in KNES478 every semester they are in the program.

0101	Tim Kiemel F 11:00am - 11:50am	Seats (Total: 20) SPH 0302

KNES484 **Sporting Hollywood**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in KNES285 and KNES287. Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits.

Popular representations of sport within the film media related to wider social discourses on bodies and the politics of various categories of subjectivity (gender, sex, race, class and nationality).

0101	Michael Friedman Class time/details on ELMs	Seats (Total: 35) ONLINE

KNES498 **Special Topics in Kinesiology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

This class does NOT fulfill a KNES Options Requirement.

Contact department for information to register for this course.

KNES498A **Special Topics in Kinesiology; The Kinesiological & Scientific Bases of Human Movement & Sport: Golf**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

Prerequisites: KNES350 with a grade of C- or better. Restriction: Must be a KNES major and must have earned at least 90 credits. Introduces students to the study of human movement and sport through the experience of learning a specific motor skill (i.e., golf) and the scientific knowledge regarding motor learning and performance. Through active personal learning and acquired scientific knowledge, students areexpected to develop critical thinking skills about motor performance. The course meets at the University Driving Range for about six weeks and then in the classroom. Students are responsible for transportation (walking or driving) to the Range. Students must pay a $40 instructional materials fee.

0101	Seppo Iso-Ahola	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	SPH 0305

KNES498M **Special Topics in Kinesiology; Social Justice in Kinesiology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

Prerequisites: KNES285 with a grade of C- or better and KNES287 with a grade of C- or better Restriction: Must have earned a minimum of 75 credits; and must be in a major within SPHL-Kinesiology department Using a social justice centered approach, students will broadly examine cases of injustice and inequity to consider the residual impacts of history and intersecting systems of oppression, while at the micro level of individuals, families, and communities, seek to actively engage in collaborative trust-building, participatory-action research, and selfless contributions to humanity.Students will engage with recent kinesiological scholarship and seek to apply knowledge within active learning scenarios to cultivate critical thinking, interpersonal communication,and collaborative problem-solving skills to address 21st century challenges, and contribute to a healthier, more equitable and sustainable future for all.

0101	Ronald Mower	Seats (Total: 24)
	W 10:00am - 12:30pm	SPH 0307

KNES498O **Special Topics in Kinesiology; Physical Activity & the Treatment & Prevention of Obesity**

Credits: 3 Grading Method: Regular, Pass-Fail

Topics of special interest in areas not covered by regularly scheduled courses.

Prerequisites: KNES360 with a grade of C- or better. Restriction: Must have completed a minimum of 90 credits. Students will examine and critically analyze the current research literature relevant to the diagnosis, prevalence, and impact of the current obesity epidemic in the US. Students will also study the presnt state of knowledge relative to the use of physical activity to prevent and treat obesity. This seminar format class is based on student presentations, participation, and writing assignements.

0101	James Hagberg Th 8:00am - 10:30am	Seats (Total: 20) ATL 2428

KNES498V **Special Topics in Kinesiology; Clinical Biomechanics: Musculoskeletal Injury**

Credits: 3 Grading Method: Regular, Pass-Fail

Topics of special interest in areas not covered by regularly scheduled courses.

Prerequisites: KNES300 with a grade of C- or better. Restriction: Must be a KNES major and must have earned at least 75 credits. This course will explore the mechanical bases of musculoskeletal injury to better understand the biomechanical mechanisms involved in causing the injury, the effect of injury on musculoskeletal tissue, and ultimately, based on our current knowledge, how injuries might be prevented.

0101	Jae Kun Shim Class time/details on ELMs	Seats (Total: 24) ONLINE

KNES609 **Research Issues in Kinesiology**

(Perm req)

Credits: 1 Grading Method: Regular

Issues, methodologies, and critical analyses of current research in Kinesiology.

Contact department for information to register for this course.

KNES616 **Physical Cultural Studies**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: KNES616 or KNES689B. Formerly: KNES689B.

Provides an introduction to the derivation, elements, focus, and future of the Physical Cultural Studies project, specifically related to the empirical, theoretical, methodological, and axiological aspects of Physical Cultural Studies.

0101	David Andrews M 4:00pm - 6:30pm	Seats (Total: 15) SPH 2334

KNES618 **Current Readings in Exercise and Applied Physiology**

Credits: 1 Grading Method: Regular, Audit

Student-led presentations of contemporary literature in the areas of genetics, exercise science, fitness and health. Emphasis on papers describing new research findings, novel techniques, innovative methods, and emerging issues.

0101	Sushant Ranadive	Seats (Total: 15)
	M 2:00pm - 2:50pm	SPH 2334

KNES619 **Current Readings in Physical Cultural Studies**

Credits: 1 Grading Method: Regular, Audit

Student led presentations of contemporary literature in physical cultural studies and related areas. Emphasis on material describing new empirical and/or theoretical insights, innovative methods, and emerging issues.

0101	David Andrews	Seats (Total: 15)
	Tu 11:00am - 11:50am	SPH 2334

KNES622 **Teaching Secondary Physical Education**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in PreK-12 Physical Education Master of Education program. Credit only granted for: KNES689I OR KNES622. Formerly: KNES689I.

Students will learn aspects of teaching secondary physical education including: characteristics of secondary school students, testing, grading, teaching lifetime activities, and effective teaching techniques using SHAPE America Standards.

IH60	Cara Grant	Seats (Total: 20)
	Tu 4:30pm - 7:30pm	SPH 1302
	MCERT Program Outreach Offering. Registration restricted to program participants.	

KNES658 **Teaching Internship in Physical Education**

Credits: 1-6 Grading Method: Regular, Audit

The MCERT PE internship is an intense experience that immerses interns into the life of their assigned Secondary school. The internship experience is designed to provide our pre-service teachers with a rich opportunity to learn the craft of teaching through close observation of experts as well as practice in the planning, delivery and assessment of instruction.

Contact department for information to register for this course.

KNES660 **Psychology of Athletic Performances**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: KNES350. Credit only granted for: KNES660 or KNES689Z. Formerly: KNES689Z.

Psychological factors, mechanisms, and processes in athletic performance. The basic approach is social psychological, according to which the focus is on individual performance in the interpersonal athletic context. Intrapersonal and interpersonal factors and their effects on athletic performance. Psychology of peak performance, choking, and errors of mental control. Analysis of the general principles and types of mental training.

0101	Seppo Iso-Ahola	Seats (Total: 30)
	M 4:00pm - 6:30pm	SPH 1302

KNES678 **Professional Seminar for Teacher Development in Physical Education**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

The spring seminar course is an extension of the fall seminar course and spring internship course. It accompanies a full time undergraduate level teaching internship and is intended to support and extend students' field experience learning. The spring seminar course is designed to continue to provide students with the support they need to successfully meet the College of Education's Middle School Mathematics and Science programmatic requirements and the Maryland State Department of Education's Middle School Mathematics and Science Teacher Certification Requirements. These requirements include demonstrating mastery on all of the College of Education's Foundational Competencies (FCCs) and Performance Based Assessments (PBAs) and the national edTPA, InTASC, and AMLE Standards.

IH60	Cara Grant	Seats (Total: 20)
	M 4:00pm - 6:30pm	ONLINE
	MCERT Program Outreach Offering. Registration restricted to program participants.	

KNES689 **Special Problems in Kinesiology**

(Perm req)

Credits: 1-6 Grading Method: Regular

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

Contact department for information to register for this course.

KNES692 **Cardiovascular Aspects of Exercise Physiology**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: KNES360.

A comprehensive consideration of the various cardiovascular factors affecting human physical performance. Emphasis on the regulation of cardiovascular functions during physical activity. Energy liberation and transfer, circulation, respiration, temperature regulation, physiology of work at altitudes, aerobic endurance training, and exercise, health and aging.

0101	Sushant Ranadive	Seats (Total: 15)
	M 4:00pm - 6:30pm	SPH 0125

KNES780 **Preparation for Capstone Project in Physical Activity and Public Health**

Credits: 3 Grading Method: Regular, Audit

Recommended: Quantitative/Qualitative research methods course . Restriction: Must be in the Master of Public Health program; or permission of the Kinesiology Department. Additional information: This course is also available for students in programs other than PHAO. Priority enrollment reserved for MPH in PA students.

Provides detailed preparation for the culminating experience in which the student applies knowledge and skills learned in the MPH program to conduct independent work on a physical activity problem under the supervision of a faculty advisor. Students will gain proficiency in conducting literature research and reviews, analyzing research methodology for appropriateness for their individual capstone projects, identifying gaps in the literature to support potential capstone topics, and preparing the capstone proposal presentation.

PLK1	Valerie Cholet	Seats (Total: 15)
	Class time/details on ELMs	ONLINE
	Must be in Physical Activity, Online (MPH). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

KNES789 **Advanced Projects in Kinesiology**

(Perm req)

Credits: 1-3 Grading Method: Regular

Advanced projects examining current problems and trends in kinesiology.

Contact department for information to register for this course.

KNES789M **Advanced Projects in Kinesiology; Optimal Control Modeling**

Credits: 3 Grading Method: Regular

Advanced projects examining current problems and trends in kinesiology.

0101	Ross Miller	Seats (Total: 15)
	M 4:00pm - 6:30pm	SPH 0223

KNES799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

KNES898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

KNES899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

KORA Korean Fall 2025

KORA101 **Elementary Korean I**

Credits: 3 Grading Method: Regular

Prerequisite: Must have appropriate World Language Placement (WLP) score; and permission of ARHU-School of Languages, Literatures, and Cultures department.

Introduction to the Korean language. Primary emphasis on oral skills, but Hangul, the Korean alphabet, will also be introduced.

0101	Seong Minne Koh MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 1215
0201	Hyeran Ryu MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 1215
0301	Hyeran Ryu MWF 1:00pm - 1:50pm	Seats (Total: 15) JMZ 1215

KORA201 **Intermediate Korean I**

Credits: 3 Grading Method: Regular CORE: HO

Prerequisite: KORA102; or permission of instructor.

An intermediate-level course designed for non-Heritage students. It begins the second year of instruction in the University's two-track Korean Program.

0101	Seong Minne Koh MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 0208
0201	Seong Minne Koh MWF 12:00pm - 12:50pm	Seats (Total: 15) JMZ 0208
0301	Seong Minne Koh MWF 1:00pm - 1:50pm	Seats (Total: 15) JMZ 0208

KORA398A **Special Topics in Korean Studies; Language and Society of the Two Koreas**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Study of particular aspect of Korean language, literature, and/or culture. Topic and language of instruction to be announced when course is offered.

This is a Big Ten Academic Alliance CourseShare course. The instructor is at the University of Minnesota, but you enroll and receive credit for it at Maryland.

0101	Instructor: TBA **Meets September 2, 2025 - December 10, 2025** TuTh 2:00pm - 3:15pm	Seats (Total: 15) ONLINE

KORA398X **Special Topics in Korean Studies; Seoul: History and Places**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Study of particular aspect of Korean language, literature, and/or culture. Topic and language of instruction to be announced when course is offered.

This is a Big Ten Academic Alliance CourseShare course. The instructor is at the University of Michigan, but you enroll and receive credit for it at Maryland.

0101	Instructor: TBA **Meets August 25, 2025 - December 8, 2025** TuTh 11:30am - 1:00pm	Seats (Total: 10) JMZ 1205

KORA499 **Independent Study Korean**

(Perm req)

Credits: 1-3

Grading Method: Regular

Independent study under faculty supervision.

Contact department for information to register for this course.

LACS Latin American and Caribbean Studies Fall 2025

LACS234 **Issues in Latin American and Caribbean Studies I**

Credits: 3

Grading Method: Regular

General Education: DSHS, DSHU, DVUP

Cross-listed with: PORT234, SPAN234. Credit only granted for: LASC234, PORT234, SPAN234, or LACS234. Formerly: LASC234.

Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Francisco Barrenechea Cuadra MW 3:30pm - 4:45pm	Seats (Total: 30) WDS 1114
0102	Jonathan Brower TuTh 2:00pm - 3:15pm	Seats (Total: 25) SQH 1111

LACS234H **Issues in Latin American and Caribbean Studies I**

Credits: 3 Grading Method: Regular General Education: DSHS, DSHU, DVUP

Cross-listed with: PORT234, SPAN234. Credit only granted for: LASC234, PORT234, SPAN234, or LACS234. Formerly: LASC234.

Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Francisco Barrenechea Cuadra MW 3:30pm - 4:45pm	Seats (Total: 5) WDS 1114

LACS250 **History of Colonial Latin America**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, DVUP

Cross-listed with: HIST250. Credit only granted for: LASC250, HIST250, OR LACS250. Formerly: LASC250.

Introductory survey of the history of Latin America from pre-Columbian Indian cultures to the beginning of the wars for independence (ca. 1810), covering cultural, political, social, and economic developments. Major themes include conquest, colonialism, indigenous culture, African slavery, religion, race and ethnicity, and gender ideologies.

0101	Alejandro Caneque TuTh 12:30pm - 1:45pm	Seats (Total: 40) KEY 0126

LACS348E **Caribbean Literature in English**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, DVUP

Cross-listed with: ENGL362. Credit only granted for: ENGL362, LASC348E, or LACS348E.

Political and literary traditions that intersect in the fiction, poetry, and drama written in English by Caribbean writers, primarily during the 20th century.

0101	Sangeeta Ray TuTh 9:30am - 10:45am	Seats (Total: 25) TWS 1105

LACS458 **Senior Capstone Course in Latin American and Caribbean Studies**

Credits: 3 Grading Method: Regular

Capstone course for advanced students in the Latin American and Caribbean Studies Certificate Program or other students with appropriate preparation. Interdisciplinary topics will vary each semester.

0101	Jonathan Brower	Seats (Total: 10)
	TuTh 9:30am - 10:45am	HJP 4120

LACS486 **Internship in Latin American/Caribbean Studies**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of Latin American and Caribbean Studies Center required. Restriction: Minimum cumulative GPA of 2.5; and must have earned a minimum of 60 credits. Credit only granted for: LASC486 OR LACS486. Formerly: LASC486. Additional information: The course is primarily intended for students seeking the Certificate in Latin American and Caribbean Studies, but exceptions will be considered for students with educational or career interests which lie in this area. Student internships must be approved by the Director, and students must secure an appropriate faculty mentor for the internship course. An internship course will be approved only if a faculty supervisor is available.

Internship experience with an organization that works with or studies Latin American and/or the Caribbean. This is an experiential learning course that provides semester-long training that enriches the student's academic field of study and the LACS Certificate. Students submit a final written report of their experience, including critical analysis of the institutional relevance to their major field of study and to Latin American and Caribbean Studies. Students will also be asked to give an oral presentation.

Contact department for information to register for this course.

LACS609 **Colloquium in Latin American and Caribbean Studies**

Credits: 1-2 Grading Method: Regular, Audit

The colloquium is one of three core courses for the Graduate Certificate in Latin American and Caribbean Studies. Providing 3 credits over the course of multiple semesters (1-2 credits per semester), it ensures an ongoing intellectual community among students, faculty, and guest scholars. For group discussions, the Colloquium meets four times per semester. Additionally, students attend Latin American and Caribbean activities and events in order to discuss and theorize about the region and its diaspora from informed perspectives. Each semester's colloquium provides 1-2 credits toward the Graduate Certificate.

The Colloquium will ensure an ongoing intellectual community among students, faculty, and guest scholars. The director of the Center and students will meet to discuss readings and occasional presentations by aguest speaker. Students will also present their work for feedback. With the assistance of the Director, students are invited to play an essential role in the planning and structuring of the Colloquium. This themed colloquium (the theme will change each year) will meet four times per semester

0101	Ryan Long F 12:00pm - 1:30pm Contact instructor or department for details.	Seats (Total: 18) Location: TBA

LACS688 **Experiential Learning in Latin American and Caribbean Studies**

Credits: 1-3 Grading Method: Regular, Audit

Offers an opportunity for practical experience of Latin American and Caribbean organizations, to supplement a methodological focus. Credits may be fulfilled with internships, an applied research assistantship, or any program outside the University that focuses on the experiences of Latin America, the Caribbean, and related diasporas. Examples of experiential learning may include internships at organizations such as the Pan American Health Organization, the World Bank, the Washington Office on Latin America (WOLA), or Casa de Maryland.

0101	Ryan Long Contact instructor or department for details.	Seats (Total: 5)

LACS689 **Research Praxis in Latin American and Caribbean Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

The concentration in research praxis is intended primarily to serve students who are interested in academic research and teaching in Latin American and Caribbean studies by exposing them to a research experience supervised by an affiliate faculty member in Latin American and Caribbean studies. This might be a 3-credit intensive research seminar or independent studies tutorial involving a major research project or a 1-3 credit research assistantship in Latin American and Caribbean studies.

0101	Ryan Long Contact instructor or department for details.	Seats (Total: 5)

LARC Landscape Architecture Fall 2025

LARC121 **Computer Visualization in Design**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Students are provided with the opportunity to 1) explore basic design principles and practice, 2) explore and apply computer concepts and principles, 3) learn and apply basic computer tools used in landscape architecture and allied disciplines, and 4) demonstrate competency in design vocabulary and computer applications through demonstrated deliverables used in the built environment design fields.

FC01	Jonathan Gemmell Tu 7:30pm - 8:45pm Th 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 2137 ONLINE

LARC151 Urban Agriculture: Designing and Assessing Edible Landscapes

Credits: 3 Grading Method: Regular General Education: DSSP, SCIS

Students will examine the growing development of urban agriculture and edible landscapes. Urban agriculture has seen a recent growth and interest in cities across the globe. From Paris to New York, from Baltimore to Detroit, urban agriculture is an emerging land use to address a variety of needs. Redevelopment, food deserts, community engagement and environmental justice are just some of the issues and topics that are connected to the recent growth of urban agriculture. This course will take a critical examination of urban agriculture's contribution to the food system, its input and outputs in the urban landscape, and the planning and design of urban agriculture and edible landscapes.

0101	Mary Christensen MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) ESJ 2208 PLS 1119	Discussion
0102	Mary Christensen MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) ESJ 2208 PLS 1119	Discussion
0103	Mary Christensen MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) ESJ 2208 PLS 1119	Discussion
0104	Mary Christensen MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) ESJ 2208 PLS 1119	Discussion
0105	Mary Christensen MW 11:00am - 11:50am M 3:00pm - 3:50pm	Seats (Total: 20) ESJ 2208 PLS 1119	Discussion
0106	Mary Christensen MW 11:00am - 11:50am M 4:00pm - 4:50pm	Seats (Total: 20) ESJ 2208 PLS 1119	Discussion
FC01	Sherry Russell W 7:30pm - 8:45pm M 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1130 ONLINE	

LARC160 Introduction to Landscape Architecture and Environmental Design

Credits: 3 | Grading Method: Regular | CORE: HO | General Education: DSHU, DSSP

History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences. Topics include urban, ecological, community and creative design.

0101	Deni Ruggeri MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) ESJ 2204 PLS 1111	Discussion
0102	Deni Ruggeri MW 12:00pm - 12:50pm M 3:00pm - 3:50pm	Seats (Total: 20) ESJ 2204 PLS 1111	Discussion
0104	Deni Ruggeri MW 12:00pm - 12:50pm M 4:00pm - 4:50pm	Seats (Total: 20) ESJ 2204 PLS 1146	Discussion
0105	Deni Ruggeri MW 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 20) ESJ 2204 PLS 1111	Discussion
0106	Deni Ruggeri MW 12:00pm - 12:50pm W 3:00pm - 3:50pm	Seats (Total: 20) ESJ 2204 PLS 1111	Discussion
FC01	Colleen Vacelet MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1130	

LARC220 **Landscape Visualization II**

(Perm req)

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit

Corequisite: LARC230. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department; and sophomore standing or higher; and must be in Landscape Architecture program. Credit only granted for: LARC489R or LARC220. Formerly: LARC489R.

Basic techniques and application of various media for graphic communication associated with landscape architecture.

0101	Sherry Russell	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	PLS 2152	
	TuTh 11:00am - 12:15pm	PLS 2152	Lab

LARC230 **Design Fundamentals Studio**

(Perm req)

Credits: 5 Grading Method: Regular, Pass-Fail

Prerequisite: Must have completed or be concurrently enrolled in LARC265 and LARC266. Corequisite: LARC220. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department; and sophomore standing or higher; and must be in Landscape Architecture program. Credit only granted for: LARC141 or LARC230. Formerly: LARC141.

Introduction to the fundamentals of basic design focusing on creative problem solving associated with landscape architecture. Here you will explore design with different geometries, organizing principles, concept development, spatial definition, land formation, structures and plants. Emphasis will be given on how to represent design ideas using measured drafting techniques and presentation board organization. A series of foundational exercises will culminate in the redesign of a small public space.

Students must pay a $300.00 Landscape Architecture Fee.

0101	Christopher Ellis	Seats (Total: 15)	
	MW 1:00pm - 1:50pm	PLS 2152	
	MW 2:00pm - 4:50pm	PLS 2152	Lab

LARC265 **Site Analysis and Ecological Principles**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: LARC141. Corequisite: LARC240 and LARC221. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department; and sophomore standing or higher; and must be in Landscape Architecture program. Credit only granted for: LARC265 or ARCH460.

Principles and methods of site analysis with an emphasis on the application of ecological principles in landscape architecture, architecture and planning.

0101	David Myers	Seats (Total: 32)	
	W 10:00am - 10:50am	PLS 1119	
	F 10:00am - 11:50am	PLS 1119	

LARC330 **Urban Design Studio**

Credits: 5 Grading Method: Regular, Pass-Fail

Prerequisite: LARC411 and LARC231. Corequisite: LARC412. Restriction: Junior standing or higher; and must be in Landscape Architecture program. Credit only granted for: LARC330 or LARC440. Formerly: LARC440.

The landscape architect's role within the interdisciplinary urban design process, focusing on urban site design issues. Pedestrian friendly site design and the future of sustainable development will be studied.

0101	Byoung-Suk Kweon	Seats (Total: 15)	
	MW 1:00pm - 1:50pm	PLS 2150	
	MW 2:00pm - 4:50pm	PLS 2150	Lab

LARC389 **Internship in Landscape Architecture**

(Perm req)

Credits: 3 Grading Method: Regular

A supervised internship where students earn credit for work experience related to their career goals. Each student must keep a work log, work on a special project, and produce a report related to this project. An evaluation from the external supervisor of the project is required. Participation requires application to the internship advisor in the preceding semester.

Restriction: Permission of department. The deadline to request permission to sign-up for the course is 6/16/2023. See Dr. Mark Carroll for more information. There will be two required real-time sessions, time to be determined. A supervised internship where students earn credit for work experience related to their career goals. Each student must keep a work log, work on a special project, and produce a report related to this project. An evaluation from the external supervisor of the project is required. Participation requires application to the internship advisor in the preceding semester.

0101	Mark Carroll	Seats (Total: 15)	
	Meets July 2, 2025 - November 12, 2025		
	Class time/details on ELMs	ONLINE	

LARC415 **Construction Technology II: Materials and Structures**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: LARC411 or LARC414. Corequisite: LARC330 or LARC642. Restriction: Must be in Landscape Architecture program. Credit only granted for: LARC321, LARC412 or LARC721.

Second of three courses in the landscape architecture engineering and construction sequence focuses on site construction, soil and water-centric Best Design Practices (BDPs). Included in this subject area are the topics of construction operations and earthwork, soil erosion and sediment control, retaining wall, soil and constructed media, shoreline construction, bioretention and planting systems and green roofs

0101	Caren Yglesias	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	HBK 0115	
	Th 11:00am - 12:15pm	PLS 2150	Lab
	For BLA students only.		

0102	Caren Yglesias TuTh 9:30am - 10:45am Th 11:00am - 12:15pm *For MLA students only.*	Seats (Total: 20) HBK 0115 PLS 2154	 Lab

LARC420 **Professional Practice**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: LARC321. Restriction: Must be in Landscape Architecture program.

An introduction to and comparative study of the professional concerns of design firms. Focus on planning, legal, ethical, marketing and management considerations of interdisciplinary practices.

0101	Jennifer Janis Tu 9:30am - 12:15pm	Seats (Total: 30) PLS 1117

LARC440 **Urban Design Studio**

(Perm req)

Credits: 5 Grading Method: Regular

Prerequisite: LARC321; and LARC340; and LARC341. Restriction: Must be in Landscape Architecture program.

The landscape architect's role within the interdisciplinary urban design process, focusing on urban site design issues. Pedestrian friendly site design and the future of sustainable development will be studied.

Students must pay a $300.00 Landscape Architecture Fee.

0101	Mary Christensen MW 1:00pm - 1:50pm MW 2:00pm - 4:50pm	Seats (Total: 15) PLS 2148 PLS 2148	 Lab

LARC470 **Landscape Architecture Seminar**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: LARC321; and LARC341. Corequisite: LARC440. Restriction: Senior standing; and must be in Landscape Architecture program.

A combination of self-directed study, seminar, and lecture formats. An introduction to aspects of research methods, critical analysis, and proposal writing with a focus on urban and community design.

0101	Caren Yglesias M 9:00am - 11:50am	Seats (Total: 13) PLS 1111

LARC499 **Independent Studies in Landscape Architecture**

(Perm req)

Credits: 1-4 Grading Method: Regular

Independent studies in landscape architecture including field, studio or library research under the direction of a faculty member.

Contact department for information to register for this course.

LARC620 **Graphic Tools for Landscape Representation**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Corequisite: LARC640. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.

This course integrates digital and analog methods of communication and provides an introduction to computer tools and techniques commonly used in landscape architecture practice. Non-drafting computer tools will be used to orient basic digital image capture, manipulation, and presentation formatting. Also includes techniques and application of various media for graphic communication associated with landscape architecture.

0101	Christopher Ellis	Seats (Total: 10)	
	TuTh 8:00am - 9:15am	PLS 1142	
	TuTh 9:30am - 10:45am	PLS 1142	Lab

LARC640 **Graduate Studio I**

(Perm req)

Credits: 5 Grading Method: Regular, Audit

Corequisite: LARC620. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.

Principles and techniques of design as applied to shaping the landscape; developing concepts in visual thinking, environmental awareness, and design intervention through studio exercises and projects.

Students must pay a $300.00 Graduate Studio Fee.

0101	Naomi Sachs	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 1142	
	TuTh 2:00pm - 4:50pm	PLS 1142	Lab

LARC642 **Graduate Studio III**

(Perm req)

Credits: 5 Grading Method: Regular, Audit

Prerequisite: LARC641. Corequisite: LARC670. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.

A focus on the interaction of landscape science (hydrology, geology, etc.) with the necessities and mechanisms of human settlements (transportation, economics, etc.) emphasizing innovative and forward thinking solutions to urbanization and ecological problems. It will apply this knowledge to landscape analysis, recreational planning and design, and community development, emphasizing resource management, spatial organization, landscape character, and the physical and social structure of community services. This course will be required for both Trach 1 and Track 2 students.

Students must pay a $300.00 Graduate Studio Fee.

0101	Boyoung Park	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 2154	
	TuTh 2:00pm - 4:50pm	PLS 2154	Lab

LARC670 **Landscape Architecture Theory and Criticism**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.

Review and analysis of the body of literature concerning landscape architecture and relationships between humans and both natural and designed environments. Topics may include: rationalism, ethics, aesthetics, social and economic values, postmodernism, feminist, multiculturalism, ecological determinism, preservation/conservation, and sustainability and ecological design. Each week students will lead a debate and discussion on a theoretical issue based on the assigned readings for that week.

0101	Caren Yglesias	Seats (Total: 10)	
	M 9:00am - 11:50am	PLS 1111	

LARC699 **Independent Studies in Landscape and Architecture**

(Perm req)

Credits: 1-3 Grading Method: Regular

Individual Instruction course.

Contact department for information to register for this course.

LARC748 **Advanced Special Topics Studio**

Credits: 5 Grading Method: Regular, Audit

Advanced special topics comprehensive landscape architecture studio-exploration will focus on cultural, behavioral and ecological issues in the physical planning and design of urban landscapes.

Students must pay a $300.00 Graduate Studio Fee.

0101	Deni Ruggeri	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 2156	
	TuTh 2:00pm - 4:50pm	PLS 2156	Lab

LARC799 **Master's Thesis Research**

(Perm req) Credits: 1-6 Grading Method: Sat-Fail

Development of a terminal thesis on a problem in landscape architecture, designed to demonstrate comprehensive skills and knowledge achieved in the graduate program. The subject will be selected in consultation with an advisor and periodically reviewed with a committee headed by the advisor.

Students must pay a $300.00 Graduate Studio Fee.

Contact department for information to register for this course.

LATN Latin Fall 2025

LATN101 Elementary Latin I

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Additional information: A student who has two units of Latin in high school may register for LATN101 for the purposes of review, but ordinarily not for credit.

0101	Yanneck Wiegers	Seats (Total: 20)
	M 11:00am - 11:50am	JMZ 1103
	W 11:00am - 12:50pm	KEY 0120
	F 11:00am - 11:50am	ONLINE

LATN201 Intermediate Latin

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: Must have completed LATN102 at University of Maryland, College Park; or permission of ARHU-Classics department. Formerly: LATN203.

0101	Gregory Bucher	Seats (Total: 15)
	MWF 10:00am - 10:50am	ONLINE
	F 9:00am - 9:50am	ONLINE

LATN302 Ovid

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Major works of Ovidian poetry. Literary and moral atmosphere of Augustan age. Readings are in Latin.

0101	Eugenia Lao	Seats (Total: 10)
	TuTh 1:00pm - 2:15pm	ONLINE

LATN488C Latin Readings; . Cicero

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The reading of one or more selected Latin authors from antiquity through the Renaissance. Reports.

0101	Gregory Bucher M 5:00pm - 7:40pm	Seats (Total: 5) ONLINE

LATN488F **Latin Readings; .** **Flavian Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The reading of one or more selected Latin authors from antiquity through the Renaissance. Reports.

0101	Chiara Graf W 5:00pm - 7:40pm	Seats (Total: 5) MMH 1218

LATN499 **Independent Study in Latin Language and Literature**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

LATN604 **Cicero**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

A study of Cicero's contributions to Roman literature and culture. Readings from the speeches, letters, and/or philosophical and rhetorical works. The development of Cicero's style, his philosophy, and his attitudes toward the changing political scene between 82 and 43 B.C.

0101	Gregory Bucher M 5:00pm - 7:40pm	Seats (Total: 7) ONLINE

LATN688F **Special Topics in Latin Literature; .** **Flavian Literature**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

0101	Chiara Graf W 5:00pm - 7:40pm	Seats (Total: 7) MMH 1218

LATN699 **Independent Studies in Latin Literature**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

LATN799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

LBSC Library Science Fall 2025

LBSC602 **Serving Information Needs**

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

An introduction to the skills necessary to interact directly with individuals through the exploration of user behavior theory, strategies to locate and evaluate information from print and electronic resources, and policies and procedures to ensure that all individuals can become information literate.

IM01	Jieun Yeon Class time/details on ELMs	Seats (Total: 40) ONLINE
IM02	Ana Ndumu Tu 6:00pm - 8:45pm	Seats (Total: 40) HBK 0115

LBSC631 Achieving Organizational Excellence

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

Overview of the principles, practices, and techniques required for effective leadership and management. The innovative strategies, management responsibilities, and skills needed to achieve and sustain high organizational performance in information-based cultural institutions.

IM01	Kibbi Henderson Class time/details on ELMs	Seats (Total: 40) ONLINE
IM02	Ryan O'Grady Th 6:00pm - 8:45pm	Seats (Total: 40) HBK 0302H

LBSC644 Collection Development

Credits: 3

Grading Method: Regular, Audit

Prerequisite: LBSC602. Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

Activities through which library collections are systematically developed and managed are explored, especially the formulation and implementation of written collection development policies. Other specific topics include identification of user needs; collection evaluation; fund allocation among competing departments, subjects, and/or media; selection methods; intellectual freedom; storage alternatives; and cooperative collection development.

IM01	Morgan Adle Class time/details on ELMs	Seats (Total: 40) ONLINE

LBSC645 Literature and Materials for Children

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

Survey of literature and other materials for children and youth. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

IM01	Jennifer Sturge	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

LBSC671 **The Lifecycle of Information**

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

Introduction to methods used to create, acquire, organize, manage and preserve information. Information systems currently used to support digital and physical libraries, databases, and repositories will be explored.

IM01	Kathy Weaver	Seats (Total: 40)
	Class time/details on ELMs	ONLINE
IM02	Jessica Grimmer	Seats (Total: 40)
	W 6:00pm - 8:45pm	HBK 0115

LBSC702 **User Instruction**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: LBSC602; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Critical analysis of the rationale, content, and processes of user instruction in library and information settings.

IM01	Kathy Weaver	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

LBSC707 **Field Study in Information Service**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: LBSC602, LBSC671, and LBSC631; and must have completed an additional 9 credits. Or permission of instructor. Restriction: Must be in Library and Information Science (Master's) program; and permission of INFO-College of Information Studies.

Supervised internship experience in a library, archive, museum, or other information organization.

IM01	Abbie Basile	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

LBSC708Y **Special Topics in Library and Information Science; Community Archives**

Credits: 3 Grading Method: Regular, Audit

A special topics course with content determined by individual instructors. For questions about the content of the course contact the College of Information Studies.

IM01	Eric Hung	Seats (Total: 30)
	W 2:00pm - 4:45pm	HBK 0103

LBSC723 **Advocacy and Support for Information Services**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

Role and influence of government, foundations, associations, and other organizations in supporting and setting the agenda for information services of all types. Role of information professionals in demonstrating advocacy, fund-raising, public relations, lobbying, and seeking external support.

IM01	Abbie Basile	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

LBSC724 **Public Library Seminar**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of INFO-College of Information Studies.

Organization, support, and service patterns of public libraries. The public library in national, state, and local contexts.

IM01	Kibbi Henderson	Seats (Total: 30)
	M 2:00pm - 4:45pm	HBK 0105

LBSC731 **Special Collections**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC602; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Management of special collections, whose holdings may include manuscripts (particularly personal papers), non-textual materials, graphical materials, and rare books, with analysis of the custodial and management functions associated with special collections.

IM01	Victoria Van Hyning	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

LBSC742 **Collaborative Instructional Design and Evaluation**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INST650; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

School librarians' collaborative role in instruction. Systematic design, development, and evaluation of instructional strategies and products for learning.

IM01	Kevin Washburn	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

LBSC749 **Internship in School Libraries**

Credits: 1-6 Grading Method: Regular, Audit

Opportunities to observe and participate in the operation of school libraries at the elementary and secondary levels under the supervision of certified school librarians. Required of all School Library Media certification candidates.

IM01	Bridgette Comanda	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

LBSC751 **Research and Teaching Fellowship II**

Credits: 1 Grading Method: Regular

Restriction: Must be enrolled in a graduate program in INFO; or permission of instructor.

Part of the Research and Teaching Fellowship program, a three-semester teacher training and professional development program in academic libraries. Fellows will complete weekly readings, complete weekly teaching reflections, and begin preparations for the academic job search.

IM01	Alexandra Kadis, Benjamin Shaw	Seats (Total: 8)
	Tu 11:00am - 11:50am	MCK 4100A

LBSC770 **Metadata and Tools for Information Professionals**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC671; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Principles, standards, and practices of information representation to facilitate accessing needed information in digital bibliographic environments. Includes exposure to Metadata, XML, RDA/AACR2R, DTDs, MARC, Dublin Core, MODS, ISBN and ISSN, FRBR, FRAD, Classification systems, and Controlled Vocabularies such as LCSH, SEARS, NLM, Getty and ERIC Thesauri, and others.

IM01	Michelle McDaniel	Seats (Total: 30)
	W 6:00pm - 8:45pm	HBK 0103

LBSC786 **Library and Archives Preservation**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: INST604; and permission of instructor. Restriction: Permission of INFO-College of Information Studies.

An introduction to library and archives materials and media, the risks that affect their preservation and strategies used to enhance preservation of library and archives collections. The course reviews preservation knowledge and skills that archival and library staff uses when providing access, managing, processing and working with collections.

IM01	Mark Coulbourne	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	ESJ B0320

LEAD Leadership Education and Development Fall 2025

LEAD217 **Introduction to Leadership**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Freshman standing; or sophomore standing. Credit only granted for: LEAD217 or HESI217. Formerly: HESI217.

Surveys the study and practice of leadership and provides students with a variety of experiences to wrestle with large leadership questions. What is leadership? Who can be a leader? How is leadership an important aspect of understanding self and others? Students will explore and respond to these questions through a variety of leadership theories and models, self-assessments, critical reflection, active-learning, group projects, and research. The course will introduce students to critical theory and critical perspectives of leadership to help students broaden their perspectives on leadership and develop more complex thought and practice of leadership.

Students must pay a $32 materials fee. Contact leadershipstudies@umd.edu with questions.

0101	Anastasia Lavrenyuk MW 11:00am - 12:15pm	Seats (Total: 25) HJP 2217
0201	Pamela Scott TuTh 12:30pm - 1:45pm	Seats (Total: 25) HJP 2217
FC01	Adrian Bitton MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) ESJ 1309

LEAD305 **Leadership and Ethics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Encourages students to explore the ethical demands of leadership. Through the examination of moral and ethical frameworks, students will develop their efficacy in analyzing multiple perspectives, decision-making, and navigating complexity. This course focuses on values-based leadership and one's responsibilities and commitments in the context of leadership for the common good and for purposeful change. The course assists students in identifying and examining ethical leadership as it relates to values, authenticity, context, controversy, and dilemmas.

0101	Anastasia Lavrenyuk MW 2:00pm - 3:15pm	Seats (Total: 20) CHE 2145

LEAD315 **Leadership in Groups and Organizations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: LEAD217 or HESI217. Credit only granted for: LEAD315 or HESI315. Formerly: HESI315.

Assists students in acquiring and integrating leadership knowledge within group and organizational contexts. Individual (self), relational (others), and contextual (context) influences on leadership will be examined using theories and frameworks that will help students learn to navigate complex organizational environments and practice leadership that is process-based and relationship-oriented. Through hands-on activities, personal exploration, and critical analysis of leadership within groups and organizations, students will gain greater insight into the historical, cultural, and environmental elements of leadership.

Email leadershipstudies@umd.edu for permission to enroll. Students must pay a $15 materials fee.

0501	Adrian Bitton MW 10:00am - 11:15am	Seats (Total: 20) ESJ 1309

LEAD320 **Social Action Seminar**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HESI217 or LEAD 217; and HESI315 or LEAD315. Restriction: Must be in the Leadership Studies Minor or Leadership Studies Certificate program. Credit only granted for: HESI320 or LEAD320. Formerly: HESI320. Additional information: May fulfill a requirement for the Leadership Studies Certificate only if taken sequentially with LEAD321 course.

The purpose of the Social Action Sequence (LEAD 320 & LEAD 321) is to examine the connections between leadership and social change, and learn how our own leadership knowledge and practice can be used to advance progress toward more just and equitable communities. In LEAD 320 (2-credits), students will have the opportunity to conduct a semester-long project to increase their knowledge and understanding of a social issue of their interest, and design resources and an action plan for engaging in work related to this social issue in their own communities.

0101	Pamela Scott Class time/details on ELMs	Seats (Total: 10) ONLINE	

LGBT Lesbian Gay Bisexual Transgender Studies — Fall 2025

LGBT200 **Introduction to Lesbian, Gay, Bisexual, and Transgender Studies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D | General Education: DSHS, DVUP

Credit only granted for: LGBT200.

An interdisciplinary study of the historical and social contexts of personal, cultural and political aspects of LGBT life. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.

Explore queer & trans politics, identity, and culture though an interdisciplinary study of the historical and social context of personal, cultural and political aspects of sexuality, gender, and identity. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.

0101	Alexis Lothian MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ONLINE ONLINE	 Discussion
0103	Alexis Lothian MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) ONLINE ONLINE	 Discussion

LGBT265 **LGBTQ+ Literatures and Media**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Restriction: Must not have completed LGBT265. Cross-listed with: ENGL265. Credit only granted for: ENGL265 or LGBT265.

A study of literary and cultural expressions of queer and trans identities, positionalities, and analytics through an exploration of literature, art, and media. We will examine historical and political power relations by considering the intersections of sexuality and gender with race, class, nation, and disability. Topics include the social construction and regulation of sexuality and gender, performance and performativity, intersectionality, and the relationship between aesthetic forms and queer/ trans subjectivity. Our interpretations will be informed by queer and trans theories.

0101	Timmy Bridgeman TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 0221
0201	James Goodwin TuTh 2:00pm - 3:15pm	Seats (Total: 30) HBK 1108

LGBT386 **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship**

(Perm req)

Credits: 3-6 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, DVCC

Prerequisite: 9 credits in LGBT courses. Restriction: Permission of LGBT Studies Program.

Supervised internship experience with a community organization that expressly serves lesbian, gay, bisexual, and transgender people. Students will be expected to relate course material to experience in an analysis of an organization's activities.

Contact department for information to register for this course.

LGBT398F **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Fandom**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVUP

In-depth study of particular themes and issues in LGBT studies.

As a source of shared feeling, creative community, and collective action, fandom is a significant force in culture and politics. This course will explore the varied and ambiguous intersections of fandom with race, gender, and sexuality, centering on the contemporary US media landscape and how we arrived here. Students particular fandom interests will shape the course of our collective study as well as providing material for research and creative projects.

0101	Alexis Lothian MW 3:00pm - 4:15pm	Seats (Total: 35) SQH 1101

LGBT448L **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Black Queer Studies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit , D | General Education: DVUP

In-depth study of particular themes and issues in LGBT studies.

Black Queer Studies is an intersectional and interdisciplinary approach to LGBTQ+ Studies and Black Studies. In this course, we will center Blackness to meditate upon the overlapping and interwoven categories of race, gender, and sexuality with the goal of decoupling whiteness from LGBTQ+ studies and decoupling heterosexuality from Black studies. We will look at texts from the humanities and social sciences as well literature and film in order to trace topical trajectories of Black queer thought. We will explore the meaning of queerness in relation to blackness, touchupon moments in black queer history, analyze questions of black queer representation and erasure, and press upon hot button topics such as queer identity and the black church, African and global queer and trans identities, Blackness and homophobia, white LGBTQ+ racism, and Black queer pleasure. Throughout we will consider how Black queer liberation can andhas provided tools and a guide for our collective liberation.

0101	Sydney Lewis	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	SQH 1101

LGBT448Y **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Dickinson, Erotics, Poetics, Biopics: Some (Queer) Ways We Read Poetry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DVUP

In-depth study of particular themes and issues in LGBT studies.

Prerequisite: two English courses in literature or permission of departm ent. Repeatable to 9 credits if content differs. Also offered as ENGL439 D, LGBT448Y and WGSS498Y. Credit granted for ENGL439D, LGBT448Y, WGSS498 Y or WMST498Y.

0101	Martha Nell Smith	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	TWS 1321

LGBT459D **Selected Topics in Sexuality and Literature; Life Writings in Different Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Detailed study of sexuality as an aspect of literary and cultural expression.

Cross-listed with ENGL459C. Credit only granted for ENGL459C or LGBT459D.

0101	Martha Nell Smith	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	TWS 1313

LGBT499 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Directed research and analysis in LGBT Studies on a topic selected by the student.

Contact department for information to register for this course.

LING Linguistics Fall 2025

LING200 **Introductory Linguistics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Credit only granted for: HESP120 or LING200. Additional information: This course serves as the prerequisite for further courses in linguistics.

An exploration of the nature of human language. Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Examination of the factors that contribute to dialect differences and the social implications of language variation. Additional topics may include: semantics, pragmatics, language change, writing systems, typology, language universals, comparison with other communication systems.

0101	Margaret Antonisse MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 24) MCB 1207 TYD 1118	Discussion
0102	Margaret Antonisse MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 24) MCB 1207 MMH 0108	Discussion
0104	Margaret Antonisse MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 24) MCB 1207 MMH 0108	Discussion

LING240 **Language and Mind**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU

Prerequisite: Minimum grade of C- in LING200. Additional information: Required for Linguistics majors and recommended for students in related fields.

The study of language as a cognitive phenomenon. Ways of representing people's knowledge of their native language, ways in which that knowledge is attained naturally by children, and how it is used in speaking and listening. Additional topics may include: animal communication, language and the brain, language and thought.

0101	Tonia Bleam MWF 11:00am - 11:50am	Seats (Total: 50) KEY 0103

LING248 **Introduction to Laboratory Research in Linguistics**

(Perm req)

Credits: 2-3 | Grading Method: Regular

Individualized, collaborative research course aimed at developing skills for laboratory research in language acquisition, sentence processing or neurolinguistics. Learning to conduct research in laboratory linguistics as part of a research team that will create original research in the field.

0101	Jeffrey Lidz	Seats (Total: 5)
	Contact instructor or department for details.	

LING260 **Meaning through Language: Why are we so good at it?**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, SCIS

What is it about us humans and our languages that allows us to communicate in ways unmatched by other animals or powerful AI models? The question is ancient, but recent decades have seen great progress in the cognitive science of language, while expanding the diversity of languages investigated. We know much more about how languages vary, how they develop in children, how they are encoded in the mind, and relate to other domains of cognition. Major developments in statistical computation and research on animal cognition also illuminate what is (not) possible without the particular structure of the human mind. We bring this all to bear on our Big Question: What makes human language special from the viewpoint of meaning? Students will come to understand the major features of language as a vehicle for complex thought and a tool for communication. They will use this understanding in analyzing common semantic patterns and everyday conversational dynamics.

0101	Omar Agha, Aron Hirsch	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	JMZ 0122

LING311 **Syntax I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: LING240.

Basic concepts, analytical techniques of generative syntax, relation to empirical limits imposed by viewing grammars as representations of a component of human mind. Aspects of current theories.

0101	Tonia Bleam	Seats (Total: 29)
	TuTh 2:00pm - 3:15pm	MMH 1304

LING320 **Phonetics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Prerequisite: Minimum grade of C- in LING200 or LING240. Additional information: This course counts as a core course for the linguistics major. Only one of Ling320 or HESP403 can be used to count towards the Linguistics major.

Representations and models of acoustic and articulatory phonetics. Develops concepts and skills for description, measurement and scientific analysis of the sound systems of human languages, including various varieties of English.

0101	William Idsardi	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

LING321 **Phonology I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: LING240.

Properties of sound systems of human languages, basic concepts and analytical techniques of generative phonology. Empirical limits imposed by viewing grammars as cognitive representations. Physiological properties and phonological systems; articulatory phonetics and distinctive feature theory.

0101	Kate Mooney TuTh 9:30am - 10:45am	Seats (Total: 29) JMZ 0122

LING322 **Phonology II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: LING321.

Continuation of LING321. Further investigation of phonological phenomena and phonological theory. Revising and elaborating the theory of the phonological representation; interaction of phonology and morphology.

0101	Kate Mooney MW 3:30pm - 4:45pm	Seats (Total: 29) MMH 1304

LING330 **Historical Linguistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: LING321. Recommended: LING311.

A traditional presentation of language change. Language types and families, sounds and writing systems, grammatical categories. Reconstruction of proto-languages by internal and comparative methods.

0101	Margaret Antonisse TuTh 9:30am - 10:45am	Seats (Total: 29) MMH 1304

LING410 **Grammar and Meaning**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of instructor; or LING311.

The basic notions of semantic theory: reference, quantification, scope relations, compositionality, thematic relations, tense and time, etc. The role these notions play in grammars of natural languages. Properties of logical form and relationship with syntax.

0101	Valentine Hacquard	Seats (Total: 29)
	TuTh 2:00pm - 3:15pm	JMZ 0122

LING419A **Topics in Syntax; The grammar of comparison**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics vary.

Prerequisite:LING311 Examines the relation between syntax and semantics through a detailed look at comparatives (e.g., Mal is taller than Val'). Diagnosing abstract syntax. Relations between wh-movement, coordination and ellipsis in comparatives cross-linguistically. Psycholinguistic and philosophical issues will also be discussed.

0101	Malhaar Shah	Seats (Total: 10)
	MW 3:30pm - 4:45pm	WDS 1131

LING440 **Grammars and Cognition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: LING321 and LING311.

Relationship between the structure, development and functioning of grammars and the structure, development and functioning of other mental systems. Interpretations of experimental and observational work on children's language, aphasia, speech production and comprehension.

0101	Ellen Lau	Seats (Total: 29)
	TuTh 11:00am - 12:15pm	MMH 1304

LING448 **Advanced Laboratory Research in Linguistics**

(Perm req)

Credits: 2-3 Grading Method: Regular

Individualized, collaborative research course aimed at developing skills for laboratory research in language acquisition, sentence processing or neurolinguistics. Conducting a research project in laboratory linguistics as part of a team creating original research relevant to current issues in linguistics.

0101	Jeffrey Lidz	Seats (Total: 5)
	Contact instructor or department for details.	

LING449A **Topics in Psycholinguistics; Speaking and Memory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Critical evaluation of primary research in psycholinguistics. Relating theoretical hypotheses to experimental hypotheses and predictions. Evaluation of experimental results. Emphasis on hands-on experience and experimental methodologies. Specific topics vary.

Prerequisite:LING311 An investigation of the cognitive and memory processes that humans engage during sentence production. Methods and insights from analytic linguistics, cognitive neuroscience, cognitive psychology, and psycholinguistics. Students will critically engage with argumentation and experimentation from the fields of sentence production and sentence memory.

0101	Sebastian Mancha	Seats (Total: 10)
	MW 3:30pm - 4:45pm	WDS 1127

LING449B **Topics in Psycholinguistics; Prediction, Computation and Language Processing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Critical evaluation of primary research in psycholinguistics. Relating theoretical hypotheses to experimental hypotheses and predictions. Evaluation of experimental results. Emphasis on hands-on experience and experimental methodologies. Specific topics vary.

Prerequisite:LING311 An investigation of prediction in humans and machines, over different linguistic information and from different levels of analysis. Comparisonof computational model-based measures with behavioral and neural measures of human language processing. Focus on comprehension, with links to production and learning. Reading and discussing research papers with simple math and coding exercises. Prior programming experience not required (optional for final project).

0101	Sathvik Nair	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	JMZ 1104

LING499 **Directed Studies in Linguistics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study or research on language under the supervision of a faculty member.

Contact department for information to register for this course.

LING499C **Directed Studies in Linguistics; Teaching Assistantship**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study or research on language under the supervision of a faculty member.

Designed for students that will be teaching assistants for LING200.

0101	Margaret Antonisse	Seats (Total: 4)
	Contact instructor or department for details.	
0201	Tonia Bleam	Seats (Total: 4)
	Contact instructor or department for details.	

LING499H **Directed Studies in Linguistics**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Independent study or research on language under the supervision of a faculty member.

Contact department for information to register for this course.

LING610 **Syntactic Theory**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: LING312.

Intensive introduction to transformational syntax.

0101	Juan Uriagereka	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	MMH 1108B

LING620 **Phonological Theory**

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Prerequisite: LING322.

Topics in current phonological theory, as they relate to data from various languages. Segmental and prosodic analysis. Autosegmental theory, metrical theory, etc.

0101	William Idsardi	Seats (Total: 10)
	MW 4:00pm - 5:15pm	MMH 1108B

LING640 **Psycholinguistics**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Restriction: Permission of instructor.

Core graduate course in psycholinguistics, covering leading theoretical approaches and experimental methods in language acquisition, language processing, and neurolinguistics.

0101	Ellen Lau	Seats (Total: 15)
	MW 11:00am - 12:15pm	MMH 1108B

LING660 **Introduction to Semantics**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Restriction: Permission of instructor.

Basic concepts and methods of contemporary semantic theory including basic set theory, elementary propositional and predicate calculus, the structure of predicates and propositions, quantification binding. Prepares students for study of more advanced topics in semantics.

Cross-listed with PHIL688T. Credit granted for LING660 or PHIL688T.

0101	Alexander Williams	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	MMH 1108B

LING689 **Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

Independent studies in grammatical theory.

Contact department for information to register for this course.

LING698 **Directed Study; Seminar**

Credits: 1-3 Grading Method: Regular, Audit

0101	William Idsardi	Seats (Total: 10)
	F 3:00pm - 5:00pm	Location: TBA

LING698T **Directed Study; Pedagogy for Linguistics**

Credits: 1 Grading Method: Regular, Audit

Required for LING200 Teaching Assistants.

0101	Margaret Antonisse	Seats (Total: 6)
	Contact instructor or department for details.	

LING723 **Natural Language Processing**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in CMSC422; and permission of CMNS-Computer Science department. Cross-listed with: CMSC723, INST735. Credit only granted for: CMSC723, LING723, or INST735. Additional information: CMSC students may only receive PhD Comp. credit for CMSC723 or CMSC823, not both.

Introduce fundamental concepts, techniques, and algorithms for the computational handling of natural language. Statistical and machine learning techniques, models, and algorithms that enable computers to deal with the ambiguity and implicit structure of human language. Approaches that focus on uncovering linguistic structure, such as syntactic or semantic parsing, as well as those that focus on manipulating text in useful ways, such as question answering or machine translation.

0101	Mohit Iyyer MW 2:00pm - 3:15pm	Seats (Total: 38) IRB 0318
PJ01	Mohit Iyyer MW 2:00pm - 3:15pm	Seats (Total: 42) IRB 0318
	Must be in the Graduate Program in Computer Science. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

LING798 **Research Papers in Linguistics**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

LING799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

LING819A **Seminar in Syntactic Theory**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Current topics in research on syntactic theory.

This seminar will focus on cross-linguistic variation in differential argument marking (DAM): case patterns determined by an argument's semantic properties (e.g., specificity, animacy, etc.). In addition to relatively well-known differential object marking (DOM) patterns where the accusative case of an object is determined by its interpretation, we will also explore other, lesser-known DAM patterns involving the case and/or interpretation of the subject. Through the lens of DAM, we will investigate the relationship between the case and interpretation of arguments, and its implications for theories of case assignment, the nature of case features, and the definitions of cases such as accusative and ergative.

0101	Penelope Daniel Tu 2:00pm - 4:30pm	Seats (Total: 15) JMZ 2125

LING848A **Seminar in Computational Linguistics**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Current topics in research in computational linguistics.

Predictive Processing and Sentence Structure. This seminar will focus on two closely related facts about language understanding. First, processing sentences fundamentally involves relating sequential input with underlying hierarchical structure; and second, there is a large body of work suggesting that sentence processing involves an interplay between top-down predictions and bottom-up evidence. We will establish background and look at relevant literature from multiple perspectives, including psycholinguistics, neurolinguistics, and computational modeling.

0101	Philip Resnik W 2:00pm - 4:30pm	Seats (Total: 15) JMZ 3122

LING879C **Seminar in Semantics**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Current topics in research in semantics.

0101	Omar Agha, Aron Hirsch M 2:00pm - 4:30pm	Seats (Total: 15) LEF 1221

LING888 **Doctoral Research Paper**

Credits: 1-6 Grading Method: Regular, Audit

Students will strengthen their abilities to formulate coherent research questions, conduct research and create a publishable piece of work. In addition, the course is part of a set of requirements to advance to doctoral candidacy.

0301	Tonia Bleam Contact instructor or department for details.	Seats (Total: 3)
0401	Jeffrey Lidz Contact instructor or department for details.	Seats (Total: 3)
0501	Andrea Zukowski Contact instructor or department for details.	Seats (Total: 3)
0601	Juan Uriagereka Contact instructor or department for details.	Seats (Total: 3)
0801	William Idsardi Contact instructor or department for details.	Seats (Total: 3)
0901	Philip Resnik Contact instructor or department for details.	Seats (Total: 3)
1201	Colin Phillips Contact instructor or department for details.	Seats (Total: 3)
1301	Margaret Antonisse Contact instructor or department for details.	Seats (Total: 3)

1401	Valentine Hacquard Contact instructor or department for details.	Seats (Total: 3)
1501	Alexander Williams Contact instructor or department for details.	Seats (Total: 3)
1601	Naomi Feldman Contact instructor or department for details.	Seats (Total: 3)
1701	Ellen Lau Contact instructor or department for details.	Seats (Total: 3)
1801	Aron Hirsch Contact instructor or department for details.	Seats (Total: 3)
1901	Kate Mooney Contact instructor or department for details.	Seats (Total: 3)
2001	Omar Agha Contact instructor or department for details.	Seats (Total: 3)
3301	Valentine Hacquard, Fabrizio Cariani Contact instructor or department for details.	Seats (Total: 5)

LING889 **Directed Research**

Credits: 1-8 Grading Method: Regular, Audit

Contact department for information to register for this course.

LING896 **Research Paper in Minor Area**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LING888.

This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.

Contact department for information to register for this course.

LING898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

LING899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

MATH Mathematics Fall 2025

MATH003 Developmental Mathematics

Credits: 3 Grading Method: Sat-Fail

A review of Intermediate High School Algebra intended for students preparing for one of the credit bearing Fundamental Studies Math Courses. It is taught in special computer labs using a self-paced computer program. The curriculum will be geared toward the student's level of algebra skills and eventual goals. There is a special fee for the course that may be applied in addition to the regular tuition charge. Students should refer to the schedule of classes for details on fees as they apply to a particular semester. The course does not carry any credit toward any degree at the University. The course is repeatable. Topics will be chosen from exponents, polynomials, linear equations, quadratic equations as well as polynomial, rational, exponential and logarithm functions and elementary probability or statistics, depending on the student.

There is a special fee for this class in addition to the regular tuition charge.

0101	Instructor: TBA MWF 8:00am - 9:50am	Seats (Total: 25) CEN 0200
0201	Colleen Terpos MWF 10:00am - 11:50am	Seats (Total: 25) CEN 0200
0202	Colleen Terpos MWF 10:00am - 11:50am	Seats (Total: 25) PHY 4220
0301	Instructor: TBA MWF 12:00pm - 1:50pm	Seats (Total: 25) CEN 0200
0302	Instructor: TBA MWF 12:00pm - 1:50pm	Seats (Total: 25) PHY 4220
0401	Instructor: TBA MWF 2:00pm - 3:50pm	Seats (Total: 25) CEN 0200
0402	Instructor: TBA MWF 2:00pm - 3:50pm	Seats (Total: 25) PHY 4220
0501	Instructor: TBA MWF 4:00pm - 5:50pm	Seats (Total: 25) CEN 0200
0502	Instructor: TBA MWF 4:00pm - 5:50pm	Seats (Total: 25) PHY 4220

0601	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 25) CEN 0200
0602	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 25) PHY 4220
0701	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 25) CEN 0200
0702	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 25) PHY 4220
FC01	Nicholas Forman MW 6:00pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 23) CEN 0200

MATH007 **Algebra for MATH 107**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A review of Intermediate High School Algebra intended for students preparing for MATH107. It is taught 3 days per week for the first 3 weeks, then leads directly into a special section of MATH107, the same semester, which also meets 3 days per week. Continuation in MATH107 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include linear equations, linear inequalities, operations on polynomials, factoring, solutions of quadratic equations, as well as exponential and logarithm functions. MATH007 does not carry any credit toward any degree at the University, nor is it graded. It leads to either MATH107 or MATH003, both of which are graded.

There is a special fee for this class in addition to the regular tuition charge.

1101	Matthew Wilson MWF 9:30am - 10:50am	Seats (Total: 25) EGR 0135

MATH013 **Algebra for MATH 113**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A review of Intermediate High School Algebra intended for students preparing for MATH113. It is taught 3 days per week for the first 3 weeks, then leads directly into a special section of MATH113, the same semester, which also meets 3 days per week. Continuation in MATH113 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential, and logarithm functions, and trigonometry. MATH013 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH113 (or MATH107), or MATH003, all of which are graded.

There is a special fee for this class in addition to the regular tuition charge.

1101	Steven Sax MWF 9:30am - 10:50am	Seats (Total: 25) MTH 0402
1201	Steven Sax MWF 11:00am - 12:20pm	Seats (Total: 25) MTH 0402
1301	Steven Sax MWF 12:30pm - 1:50pm	Seats (Total: 25) MTH 0402

MATH015 **Algebra for MATH 115**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A review of Intermediate High School Algebra intended for students preparing for MATH115. It is taught 3 days per week for the first 3 weeks, then leads directly into a special section of MATH115, the same semester, which also meets 3 days per week. Continuation in MATH115 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations in one and two variables, quadratic equations, as well as polynomial, rational, exponential, logarithm functions and trigonometry. MATH015 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH115 (or MATH107 or MATH113), or MATH003, all of which are graded.

There is a special fee for this class in addition to the regular tuition charge.

1101	Randy Martinez MWF 9:30am - 10:50am	Seats (Total: 25) ATL 1109
1301	Ben Bezejouh MWF 12:30pm - 1:50pm	Seats (Total: 25) ATL 1109

MATH107 **Introduction to Math Modeling and Probability**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSMA

Prerequisite: Must have math eligibility of MATH107 or higher; and math eligibility is based on Math Placement Exam or successful completion of MATH003 with appropriate eligibility. Restriction: Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences; must not have completed STAT100, MATH113, MATH120, MATH135, MATH136 or MATH140 with a C- or better; must not have completed any MATH or STAT course with a prerequisite of MATH120, MATH136, or MATH140. Formerly: MATH110 and MATH111.

A goal is to convey the power of mathematics as shown by a variety of problems which can be modeled and solved by quantitative means. Also included is an introduction to probability. Topics include data analysis, equations, systems of equations, inequalities, elementary linear programming, Venn diagrams, counting, basic probability, permutations, combinations, tree diagrams, standard normal and normal distributions. The mathematics of finance is covered. The course includes problem solving and decision making in economics, management, and social sciences.

0101	Bilal Aytekin MWF 11:00am - 11:50am	Seats (Total: 25) MTH B0425	
0201	Alexander Yordanov MWF 12:00pm - 12:50pm	Seats (Total: 25) MTH B0425	
0301	Alexander Yordanov MWF 1:00pm - 1:50pm	Seats (Total: 25) MTH B0425	
0401	Ayala Nuriely Kimel TuTh 2:00pm - 3:15pm	Seats (Total: 26) MTH 0105	
1101	Matthew Wilson MWF 9:30am - 10:50am	Seats (Total: 20) EGR 0135	
FC01	Julie Daberkow MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 23) MTH 0103	

MATH113 **College Algebra and Trigonometry**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSMA

Prerequisite: Must have math eligibility of MATH113 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH 003 with appropriate eligibility. Restriction: Must not have completed MATH115, MATH120, MATH135, MATH136 or MATH140 with a grade of C- or higher; and must not have completed any course with a prerequisite of MATH120, MATH130, MATH136, or MATH140.

Topics include elementary functions including graphs and applications of: polynomial, rational, exponential, and logarithmic functions. Systems of equations and applications. Trigonometric functions: angle and radian measure, graphs and applications.

0111	Barbara Michelato TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 28) ESJ 0224 MTH B0427	 Discussion

0112	Barbara Michelato TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 28) ESJ 0224 MTH 0304	Discussion
0121	Barbara Michelato TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 28) ESJ 0224 MTH B0427	Discussion
0122	Barbara Michelato TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 28) ESJ 0224 MTH 0304	Discussion
0131	Barbara Michelato TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 28) ESJ 0224 MTH B0427	Discussion
0132	Barbara Michelato TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 28) ESJ 0224 MTH 0304	Discussion
0141	Barbara Michelato TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 28) ESJ 0224 MTH B0427	Discussion
0142	Barbara Michelato TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 28) ESJ 0224 MTH 0304	Discussion
0211	Barbara Michelato TuTh 11:00am - 12:15pm W 12:00pm - 12:50pm	Seats (Total: 28) ESJ 0224 MTH B0427	Discussion
0221	Barbara Michelato TuTh 11:00am - 12:15pm W 1:00pm - 1:50pm	Seats (Total: 28) ESJ 0224 MTH B0427	Discussion
0231	Barbara Michelato TuTh 11:00am - 12:15pm W 2:00pm - 2:50pm	Seats (Total: 28) ESJ 0224 MTH B0427	Discussion

0241	Barbara Michelato TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	Seats (Total: 28) ESJ 0224 MTH B0427	Discussion
1101	Steven Sax MWF 9:30am - 10:50am	Seats (Total: 25) MTH 0402	
1201	Steven Sax MWF 11:00am - 12:20pm	Seats (Total: 25) MTH 0402	
FC01	Jocelyn Menecio TuTh 6:00pm - 7:15pm F 9:00am - 9:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 24) PLS 1140 MTH 0201	Discussion
FC02	Jocelyn Menecio TuTh 6:00pm - 7:15pm F 10:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 24) PLS 1140 MTH 0201	Discussion
FC03	Jocelyn Menecio TuTh 6:00pm - 7:15pm F 11:00am - 11:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 24) PLS 1140 MTH 0201	Discussion
FC04	Jocelyn Menecio TuTh 6:00pm - 7:15pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) PLS 1140 MTH 0407	Discussion

MATH115 **Precalculus**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSMA

Prerequisite: Must have math eligibility of MATH115 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH003 with appropriate eligibility. Or MATH113. Restriction: Must not have completed MATH140 with a grade of C- or better; and must not have completed any MATH or STAT course with a prerequisite of MATH140 or MATH141.

Preparation for MATH120, MATH135 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus.

0111	Sean Gruber MWF 11:00am - 11:50am MWF 9:00am - 9:50am	Seats (Total: 30) ESJ 0202 PHY 4207	Discussion
0121	Sean Gruber MWF 11:00am - 11:50am MWF 10:00am - 10:50am	Seats (Total: 30) ESJ 0202 PHY 4207	Discussion
0131	Sean Gruber MWF 11:00am - 11:50am MWF 12:00pm - 12:50pm	Seats (Total: 30) ESJ 0202 PHY 4207	Discussion
0141	Sean Gruber MWF 11:00am - 11:50am MWF 1:00pm - 1:50pm	Seats (Total: 30) ESJ 0202 PHY 4207	Discussion
0151	Sean Gruber MWF 11:00am - 11:50am MWF 2:00pm - 2:50pm	Seats (Total: 30) ESJ 0202 PHY 4207	Discussion
0161	Sean Gruber MWF 11:00am - 11:50am MWF 3:00pm - 3:50pm	Seats (Total: 30) ESJ 0202 PHY 4207	Discussion
0171	Sean Gruber MWF 11:00am - 11:50am TuTh 9:30am - 10:45am	Seats (Total: 30) ESJ 0202 PHY 4207	Discussion
0181	Sean Gruber MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 30) ESJ 0202 PHY 4207	Discussion
0191	Sean Gruber MWF 11:00am - 11:50am TuTh 12:30pm - 1:45pm	Seats (Total: 30) ESJ 0202 PHY 4207	Discussion
0192	Sean Gruber MWF 11:00am - 11:50am TuTh 2:00pm - 3:15pm	Seats (Total: 30) ESJ 0202 PHY 4207	Discussion

1101	Randy Martinez MWF 9:30am - 10:50am	Seats (Total: 30) ATL 1109	
1201	Ben Bezejouh MWF 11:00am - 12:20pm	Seats (Total: 30) ATL 1109	
1301	Ben Bezejouh MWF 12:30pm - 1:50pm	Seats (Total: 30) ATL 1109	
FC01	Sean Gruber MW 3:00pm - 4:15pm F 9:00am - 9:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 27) ASY 2309 MTH 0302	Discussion
FC02	Sean Gruber MW 3:00pm - 4:15pm F 10:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 27) ASY 2309 MTH 0302	Discussion
FC03	Sean Gruber MW 3:00pm - 4:15pm F 11:00am - 11:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 27) ASY 2309 MTH 0302	Discussion
FC04	Sean Gruber MW 3:00pm - 4:15pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 27) ASY 2309 MTH 0302	Discussion

MATH120 **Elementary Calculus I**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	General Education: FSAR, FSMA

Prerequisite: 1 course with a minimum grade of C- from (MATH113, MATH115). Or must have math eligibility of MATH120 or higher; and math eligibility is based on the Math Placement Test. Restriction: Not open to students majoring in mathematics, engineering, the biological sciences, biochemistry, chemistry, or the physical sciences; Must not have completed MATH130, MATH136 or MATH140 with a grade of C- or higher. Formerly: MATH220.

Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.

0111	Timothy Pilachowski MWF 9:00am - 9:50am Th 8:00am - 8:50am	Seats (Total: 30) ESJ 0224 HJP 2242	Discussion
0112	Timothy Pilachowski MWF 9:00am - 9:50am Th 8:00am - 8:50am	Seats (Total: 30) ESJ 0224 HJP 2242	Discussion
0121	Timothy Pilachowski MWF 9:00am - 9:50am Th 9:00am - 9:50am	Seats (Total: 30) ESJ 0224 HJP 2242	Discussion
0122	Timothy Pilachowski MWF 9:00am - 9:50am Th 9:00am - 9:50am	Seats (Total: 30) ESJ 0224 HJP 2242	Discussion
0131	Timothy Pilachowski MWF 9:00am - 9:50am Th 10:00am - 10:50am	Seats (Total: 30) ESJ 0224 HJP 2242	Discussion
0132	Timothy Pilachowski MWF 9:00am - 9:50am Th 10:00am - 10:50am	Seats (Total: 30) ESJ 0224 HJP 2242	Discussion
0141	Timothy Pilachowski MWF 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 30) ESJ 0224 HJP 2242	Discussion
0142	Timothy Pilachowski MWF 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 30) ESJ 0224 HJP 2242	Discussion
0211	Clarke Safsten MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 35) ARM 0131 ATL 1114	Discussion
0212	Clarke Safsten MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 33) ARM 0131 PHY 1204	Discussion

0221	Clarke Safsten MWF 10:00am - 10:50am Tu 9:00am - 9:50am	Seats (Total: 34) ARM 0131 ATL 1114	Discussion
0222	Clarke Safsten MWF 10:00am - 10:50am Tu 9:00am - 9:50am	Seats (Total: 34) ARM 0131 PHY 1204	Discussion
0231	Clarke Safsten MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 33) ARM 0131 ATL 1114	Discussion
0232	Clarke Safsten MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 33) ARM 0131 PHY 1204	Discussion
0241	Clarke Safsten MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 34) ARM 0131 ATL 1114	Discussion
0242	Clarke Safsten MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 33) ARM 0131 MTH 0304	Discussion
0311	Mestiyage Gunatilleka TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 33) ARM 0131 JMP 1202	Discussion
0312	Mestiyage Gunatilleka TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 33) ARM 0131 MTH 0305	Discussion
0321	Mestiyage Gunatilleka TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 33) ARM 0131 JMP 1202	Discussion
0322	Mestiyage Gunatilleka TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 33) ARM 0131 MTH 0305	Discussion

0331	Mestiyage Gunatilleka TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 34) ARM 0131 JMP 2202	Discussion
0332	Mestiyage Gunatilleka TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 30) ARM 0131 MTH 0405	Discussion
0341	Mestiyage Gunatilleka TuTh 11:00am - 12:15pm M 2:00pm - 2:50pm	Seats (Total: 33) ARM 0131 JMP 2202	Discussion
0342	Mestiyage Gunatilleka TuTh 11:00am - 12:15pm M 2:00pm - 2:50pm	Seats (Total: 30) ARM 0131 MTH 0405	Discussion
0411	Qendrim Gashi TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 33) LEF 2205 PLS 1164	Discussion
0412	Qendrim Gashi TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 30) LEF 2205 MTH 0407	Discussion
0421	Qendrim Gashi TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 33) LEF 2205 PLS 1164	Discussion
0422	Qendrim Gashi TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 30) LEF 2205 MTH 0407	Discussion
0431	Qendrim Gashi TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 33) LEF 2205 PLS 1158	Discussion
0432	Qendrim Gashi TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 30) LEF 2205 MTH 0407	Discussion

0441	Qendrim Gashi TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 34) LEF 2205 PLS 1158	 Discussion
0442	Qendrim Gashi TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 MTH 0407	 Discussion
FC01	Jason Schultz TuTh 6:00pm - 7:15pm F 9:00am - 9:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 35) CHM 1402 MTH 0304	 Discussion
FC02	Jason Schultz TuTh 6:00pm - 7:15pm F 10:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 35) CHM 1402 MTH 0304	 Discussion
FC03	Jason Schultz TuTh 6:00pm - 7:15pm F 11:00am - 11:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 30) CHM 1402 PHY 2106	 Discussion
FC04	Jason Schultz TuTh 6:00pm - 7:15pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) CHM 1402 PHY 2214	 Discussion

MATH121 **Elementary Calculus II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH120, MATH130, MATH136, or MATH140. Restriction: Not open to students majoring in mathematics, engineering, the biological sciences, biochemistry, chemistry, or the physical sciences; Must not have completed MATH141 with a grade of C- or higher. Formerly: MATH221.

Trigonometric functions, techniques of integration, infinite series, differential equations, probability.

0201	Alexey Okunev MWF 1:00pm - 1:50pm	Seats (Total: 20) MTH 1308	

MATH135 **Discrete Mathematics for Life Sciences**

Credits: 4	Grading Method: Regular, Pass-Fail, Audit	General Education: FSAR, FSMA

Prerequisite: Minimum grade of C- in MATH113 or MATH115; or must have math eligibility of MATH120 or higher; and math eligibility is based on the Math Placement Test. Restriction: Must be in the Biological Sciences or Neuroscience major; and not open to students majoring in mathematics, engineering, or the physical sciences.

Basic discrete mathematics, with emphasis on relevant models and techniques to the life sciences.

0111	Todd Rowland MWF 2:00pm - 2:50pm WF 8:00am - 8:50am	Seats (Total: 30) PHY 1412 MTH 0105	Discussion
0121	Todd Rowland MWF 2:00pm - 2:50pm WF 9:00am - 9:50am	Seats (Total: 30) PHY 1412 MTH 0105	Discussion
0131	Todd Rowland MWF 2:00pm - 2:50pm WF 10:00am - 10:50am	Seats (Total: 30) PHY 1412 MTH 0105	Discussion
0132	Todd Rowland MWF 2:00pm - 2:50pm WF 10:00am - 10:50am	Seats (Total: 30) PHY 1412 MTH 0305	Discussion
0141	Todd Rowland MWF 2:00pm - 2:50pm WF 11:00am - 11:50am	Seats (Total: 30) PHY 1412 MTH 0105	Discussion
0142	Todd Rowland MWF 2:00pm - 2:50pm WF 11:00am - 11:50am	Seats (Total: 30) PHY 1412 MTH 0305	Discussion
0211	Arnaja Mitra TuTh 11:00am - 12:15pm MW 11:00am - 11:50am	Seats (Total: 33) ARM 0126 PHY 4221	Discussion
0212	Arnaja Mitra TuTh 11:00am - 12:15pm MW 11:00am - 11:50am	Seats (Total: 33) ARM 0126 MTH 0101	Discussion

0221	Arnaja Mitra TuTh 11:00am - 12:15pm MW 12:00pm - 12:50pm	Seats (Total: 33) ARM 0126 PHY 4221	Discussion
0222	Arnaja Mitra TuTh 11:00am - 12:15pm MW 12:00pm - 12:50pm	Seats (Total: 33) ARM 0126 MTH 0101	Discussion
0231	Arnaja Mitra TuTh 11:00am - 12:15pm MW 1:00pm - 1:50pm	Seats (Total: 33) ARM 0126 PHY 4221	Discussion
0232	Arnaja Mitra TuTh 11:00am - 12:15pm MW 1:00pm - 1:50pm	Seats (Total: 30) ARM 0126 MTH 0403	Discussion
0241	Arnaja Mitra TuTh 11:00am - 12:15pm MW 2:00pm - 2:50pm	Seats (Total: 33) ARM 0126 PHY 4221	Discussion
0242	Arnaja Mitra TuTh 11:00am - 12:15pm MW 2:00pm - 2:50pm	Seats (Total: 30) ARM 0126 MTH 0403	Discussion

MATH136 **Calculus for Life Sciences**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH135. Restriction: Must be in the Biological Sciences or Neuroscience major; Must not have completed MATH140 with a grade of C- or higher.

Continuation of MATH135, including basic ideas of differential and integral calculus, with emphasis on elementary techniques and applications to the life sciences.

0111	Panagiotis Dimakis TuTh 12:30pm - 1:45pm MW 9:00am - 9:50am	Seats (Total: 28) ARM 0135 MTH 0101	Discussion
0121	Panagiotis Dimakis TuTh 12:30pm - 1:45pm MW 10:00am - 10:50am	Seats (Total: 28) ARM 0135 MTH 0101	Discussion

0131	Panagiotis Dimakis TuTh 12:30pm - 1:45pm MW 1:00pm - 1:50pm	Seats (Total: 28) ARM 0135 MTH 0302	 Discussion
0141	Panagiotis Dimakis TuTh 12:30pm - 1:45pm MW 2:00pm - 2:50pm	Seats (Total: 28) ARM 0135 MTH 0302	 Discussion

MATH140 **Calculus I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: FSAR, FSMA

Prerequisite: Minimum grade of C- in MATH115; or must have math eligibility of MATH140; and math eligibility is based on the Math Placement Test.

Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors.

Graphing calculators, or computers, etc., with software appropriate for graphing non-trivial functions and doing non-trivial calculations, will be needed.

0111	Anna Szczekutowicz MWF 9:00am - 9:50am TuTh 8:00am - 9:15am	Seats (Total: 33) ESJ 0202 MTH 0101	 Discussion
0112	Anna Szczekutowicz MWF 9:00am - 9:50am TuTh 8:00am - 9:15am	Seats (Total: 33) ESJ 0202 MTH 0103	 Discussion
0113	Anna Szczekutowicz MWF 9:00am - 9:50am TuTh 8:00am - 9:15am	Seats (Total: 30) ESJ 0202 MTH 0407	 Discussion
0121	Anna Szczekutowicz MWF 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 33) ESJ 0202 MTH 0101	 Discussion
0122	Anna Szczekutowicz MWF 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 33) ESJ 0202 MTH 0103	 Discussion

0123	Anna Szczekutowicz MWF 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 30) ESJ 0202 MTH 0407	Discussion
0131	Anna Szczekutowicz MWF 9:00am - 9:50am TuTh 11:00am - 12:15pm	Seats (Total: 33) ESJ 0202 MTH 0101	Discussion
0132	Anna Szczekutowicz MWF 9:00am - 9:50am TuTh 11:00am - 12:15pm	Seats (Total: 33) ESJ 0202 MTH 0103	Discussion
0211	Todd Rowland MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 27) ARM 0126 MTH 0102	Discussion
0213	Todd Rowland MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 30) ARM 0126 MTH 0302	Discussion
0221	Todd Rowland MWF 10:00am - 10:50am TuTh 11:00am - 12:15pm	Seats (Total: 27) ARM 0126 MTH 0102	Discussion
0223	Todd Rowland MWF 10:00am - 10:50am TuTh 11:00am - 12:15pm	Seats (Total: 30) ARM 0126 MTH 0302	Discussion
0231	Todd Rowland MWF 10:00am - 10:50am TuTh 2:00pm - 3:15pm	Seats (Total: 27) ARM 0126 MTH 0102	Discussion
0311	Dong Quan Nguyen MWF 11:00am - 11:50am TuTh 12:30pm - 1:45pm	Seats (Total: 31) PHY 1412 PHY 4221	Discussion
0313	Dong Quan Nguyen MWF 11:00am - 11:50am TuTh 12:30pm - 1:45pm	Seats (Total: 33) PHY 1412 PHY 1204	Discussion

0321	Dong Quan Nguyen MWF 11:00am - 11:50am TuTh 2:00pm - 3:15pm	Seats (Total: 33) PHY 1412 ESJ 0215	Discussion
0323	Dong Quan Nguyen MWF 11:00am - 11:50am TuTh 2:00pm - 3:15pm	Seats (Total: 33) PHY 1412 ESJ 0215	Discussion
0331	Dong Quan Nguyen MWF 11:00am - 11:50am TuTh 3:30pm - 4:45pm	Seats (Total: 33) PHY 1412 ESJ 1309	Discussion
0411	Matthew Wilson MWF 1:00pm - 1:50pm TuTh 8:00am - 9:15am	Seats (Total: 30) ESJ 0224 ESJ 1309	Discussion
0421	Matthew Wilson MWF 1:00pm - 1:50pm TuTh 9:30am - 10:45am	Seats (Total: 30) ESJ 0224 ESJ 0215	Discussion
0423	Matthew Wilson MWF 1:00pm - 1:50pm TuTh 9:30am - 10:45am	Seats (Total: 30) ESJ 0224 ESJ 0215	Discussion
0431	Matthew Wilson MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:45pm	Seats (Total: 30) ESJ 0224 ESJ 0215	Discussion
0432	Matthew Wilson MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:45pm	Seats (Total: 30) ESJ 0224 ESJ 0215	Discussion
0433	Matthew Wilson MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:45pm	Seats (Total: 30) ESJ 0224 ESJ 0215	Discussion
0511	Steven Chadwick MWF 2:00pm - 2:50pm TuTh 8:00am - 9:15am	Seats (Total: 30) ARM 0135 MTH 0402	Discussion

0513	Steven Chadwick MWF 2:00pm - 2:50pm TuTh 8:00am - 9:15am	Seats (Total: 30) ARM 0135 MTH B0425	Discussion
0521	Steven Chadwick MWF 2:00pm - 2:50pm TuTh 9:30am - 10:45am	Seats (Total: 30) ARM 0135 MTH 0402	Discussion
0523	Steven Chadwick MWF 2:00pm - 2:50pm TuTh 9:30am - 10:45am	Seats (Total: 30) ARM 0135 MTH B0425	Discussion
0531	Steven Chadwick MWF 2:00pm - 2:50pm TuTh 11:00am - 12:15pm	Seats (Total: 30) ARM 0135 MTH B0421	Discussion
FC01	Mirna Pinsky MWTh 3:00pm - 4:15pm F 9:30am - 10:45am *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SKN 0200 JMP 1202	Discussion
FC02	Mirna Pinsky MWTh 3:00pm - 4:15pm F 11:00am - 12:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 26) SKN 0200 JMP 1202	Discussion
FC03	Mirna Pinsky MWTh 3:00pm - 4:15pm F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SKN 0200 JMP 1202	Discussion
FC04	Mirna Pinsky MWTh 3:00pm - 4:15pm F 2:30pm - 3:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SKN 0200 PHY 2124	Discussion
FC05	Mirna Pinsky MWTh 3:00pm - 4:15pm F 9:30am - 10:45am *Restricted to students in Freshmen Connection.*	Seats (Total: 27) SKN 0200 MTH 0307	Discussion

FC06	Mirna Pinsky MWTh 3:00pm - 4:15pm F 11:00am - 12:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 27) SKN 0200 MTH 0307	Discussion
FC07	Mirna Pinsky MWTh 3:00pm - 4:15pm F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 27) SKN 0200 MTH 0307	Discussion
FC08	Mirna Pinsky MWTh 3:00pm - 4:15pm F 2:30pm - 3:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 27) SKN 0200 MTH 0307	Discussion
FC09	Craig Schlenoff MWTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 13) PHY 0405	
FC10	Craig Schlenoff MWTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 13) PHY 0405	

MATH140H **Calculus I**

Credits: 4	Grading Method: Regular, Pass-Fail, Audit	CORE: MS	General Education: FSAR, FSMA

Prerequisite: Minimum grade of C- in MATH115; or must have math eligibility of MATH140; and math eligibility is based on the Math Placement Test.

Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors.

For general honors students only. Offered fall only.

0101	Aditya Kumar MF 10:00am - 10:50am W 10:00am - 11:50am	Seats (Total: 22) MTH 1313 MTH 1313	

0201	Aditya Kumar WF 1:00pm - 1:50pm M 1:00pm - 2:50pm	Seats (Total: 22) MTH 0103 MTH 0103	

MATH141 **Calculus II**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS

Prerequisite: Minimum grade of C- in MATH140.

Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series.

Graphing calculators, or computers, etc., with software appropriate for graphing non-trivial functions and doing non-trivial calculations, will be needed.

0111	Jonathan Fernandes MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 33) HJP 0226 MTH 0306	Discussion
0121	Jonathan Fernandes MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 33) HJP 0226 MTH 0306	Discussion
0131	Jonathan Fernandes MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 33) HJP 0226 MTH 0306	Discussion
0141	Jonathan Fernandes MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 33) HJP 0226 MTH 0306	Discussion
0211	Kendall Williams MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH B0423	Discussion
0221	Kendall Williams MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH B0423	Discussion
0222	Kendall Williams MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH B0427	Discussion

0231	Kendall Williams MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH B0427	Discussion
0241	Kendall Williams MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH B0423	Discussion
0251	Kendall Williams MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH B0423	Discussion
0261	Kendall Williams MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH B0427	Discussion
0311	Shin Song MWF 12:00pm - 12:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0135 MTH B0425	Discussion
0321	Shin Song MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0135 MTH B0425	Discussion
0331	Shin Song MWF 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 30) ARM 0135 MTH B0425	Discussion
0341	Shin Song MWF 12:00pm - 12:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 30) ARM 0135 MTH B0425	Discussion
0411	Kyle Kawagoe, Roohollah Ebrahimian MWF 3:00pm - 3:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 33) HJP 0226 MTH 0201	Discussion
0412	Kyle Kawagoe, Roohollah Ebrahimian MWF 3:00pm - 3:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) HJP 0226 MTH B0423	Discussion

0421	Roohollah Ebrahimian, Kyle Kawagoe MWF 3:00pm - 3:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 33) HJP 0226 MTH 0201	Discussion
0422	Kyle Kawagoe, Roohollah Ebrahimian MWF 3:00pm - 3:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) HJP 0226 MTH B0423	Discussion
0431	Kyle Kawagoe, Roohollah Ebrahimian MWF 3:00pm - 3:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 33) HJP 0226 MTH 0201	Discussion
0441	Kyle Kawagoe, Roohollah Ebrahimian MWF 3:00pm - 3:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 33) HJP 0226 MTH 0201	Discussion
FC01	Foivos Chnaras MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) MTH 0405	
FC02	Weimin Jiang MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) MTH 0402	
FC03	David Pincus MWTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) PHY 2124	

MATH141H **Calculus II**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS

Prerequisite: Minimum grade of C- in MATH140.

Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series.

For Honors College students only. Graphing calculators, or computers, etc., with software appropriate for graphing non-trivial functions and doing non-trivial calculations, will be needed.

0101	Kyle Kawagoe MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 20) MTH 1311 MTH 1311
0201	Ariel Rosenfield MF 1:00pm - 1:50pm W 1:00pm - 2:50pm	Seats (Total: 20) ATL 1114 ATL 1114

MATH206 **Introduction to Matlab**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH136, MATH140).

This course is intended to prepare students for subsequent courses requiring computation with MATLAB. Covers basics of MATLAB including simple commands, variables, solving equations, graphing differentiation and integration, matrices and vectors, functions, M-files and fundamentals of programming in the MATLAB environment. When offered in Winter and Summer terms, the course is offered in a format suitable for online distance learning.

0101	Terence Long **Meets September 2, 2025 - October 10, 2025** Class time/details on ELMs	Seats (Total: 450) ONLINE

MATH212 **Elements of Numbers and Operations**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed one year of college preparatory algebra. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education; Middle School Education).

Reviews and extends topics of arithmetic and number theory related to the elementary school curriculum, particularly number systems and operations with natural numbers, integers, and rationals.

0101	Luis Royo Romero MWF 10:00am - 10:50am	Seats (Total: 25) MTH 1308
0401	Michael Krell MWF 2:00pm - 2:50pm	Seats (Total: 25) ESJ 1309

MATH213 **Elements of Geometry and Measurement**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH212. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education; Middle School Education).

Properties of geometric objects in two and three dimensions; parallel lines, curves and polygons; ratio, proportion, similarity; transformational geometry and measurement, constructions, justifications and proofs.

0101	Victoria Fernandez MWF 10:00am - 10:50am	Seats (Total: 20) TMH 0225	
0201	Carolina Napp-Avelli MWF 10:00am - 10:50am	Seats (Total: 20) TMH 0225	

MATH214 **Elements of Probability and Statistics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH212. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education; Middle School Education).

Permutations and combinations; probability; collecting and representing data; using statistics to analyze and interpret data.

0201	Karen McLaren MWF 9:00am - 9:50am	Seats (Total: 25) MTH 1311	

MATH240 **Introduction to Linear Algebra**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH131, MATH141). Credit only granted for: MATH240, MATH341, or MATH461.

Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.

0211	Wiseley Wong MWF 12:00pm - 12:50pm TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH 0106	 Discussion
0212	Wiseley Wong MWF 12:00pm - 12:50pm TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH 0403	 Discussion

0221	Wiseley Wong MWF 12:00pm - 12:50pm TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0106	 Discussion
0222	Wiseley Wong MWF 12:00pm - 12:50pm TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0403	 Discussion
0231	Wiseley Wong MWF 12:00pm - 12:50pm TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0106	 Discussion
0232	Wiseley Wong MWF 12:00pm - 12:50pm TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0403	 Discussion
0241	Wiseley Wong MWF 12:00pm - 12:50pm TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH 0106	 Discussion
0242	Wiseley Wong MWF 12:00pm - 12:50pm TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH 0403	 Discussion
0311	Stefan Doboszczak MWF 2:00pm - 2:50pm TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0126 MTH 0303	 Discussion
0321	Stefan Doboszczak MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0126 MTH 0303	 Discussion
0331	Stefan Doboszczak MWF 2:00pm - 2:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 31) ARM 0126 MTH 0303	 Discussion
0341	Stefan Doboszczak MWF 2:00pm - 2:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 30) ARM 0126 MTH 0303	 Discussion

0411	Shin Song MWF 3:00pm - 3:50pm TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH 0401	 Discussion
0421	Shin Song MWF 3:00pm - 3:50pm TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0401	 Discussion
0422	Shin Song MWF 3:00pm - 3:50pm TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0131 EGR 1104	 Discussion
0431	Shin Song MWF 3:00pm - 3:50pm TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0401	 Discussion
0432	Shin Song MWF 3:00pm - 3:50pm TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0131 EGR 1104	 Discussion
0441	Shin Song MWF 3:00pm - 3:50pm TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH 0401	 Discussion
FC01	Keith Mills MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 26) CCC 1200	

MATH241 **Calculus III**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH241 or MATH340.

Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss.

All sections will use MATLAB.

0111	Manoussos Grillakis MWF 10:00am - 10:50am TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0135 MTH 0405	 Discussion

0121	Manoussos Grillakis MWF 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH 0405	Discussion
0122	Manoussos Grillakis MWF 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0135 MTH B0429	Discussion
0131	Manoussos Grillakis MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH 0405	Discussion
0132	Manoussos Grillakis MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0135 MTH B0429	Discussion
0141	Manoussos Grillakis MWF 10:00am - 10:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH 0405	Discussion
0142	Manoussos Grillakis MWF 10:00am - 10:50am TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0135 MTH B0429	Discussion
0211	Junyan Zhao MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 31) ARM 0135 MTH 0307	Discussion
0212	Junyan Zhao MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 31) ARM 0135 MTH 0303	Discussion
0221	Junyan Zhao MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 31) ARM 0135 MTH 0307	Discussion
0222	Junyan Zhao MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 31) ARM 0135 MTH 0303	Discussion

0231	Junyan Zhao MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 31) ARM 0135 MTH 0307	Discussion
0232	Junyan Zhao MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 31) ARM 0135 MTH 0303	Discussion
0241	Junyan Zhao MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 32) ARM 0135 MTH 0307	Discussion
0242	Junyan Zhao MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 31) ARM 0135 MTH 0407	Discussion
0311	Kendall Williams MWF 12:00pm - 12:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0126 MTH 0405	Discussion
0312	Kendall Williams MWF 12:00pm - 12:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0126 MTH 0407	Discussion
0321	Kendall Williams MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0126 MTH 0405	Discussion
0331	Kendall Williams MWF 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 30) ARM 0126 MTH 0402	Discussion
0332	Kendall Williams MWF 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 30) ARM 0126 MTH 0403	Discussion
0341	Kendall Williams MWF 12:00pm - 12:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 30) ARM 0126 MTH 0303	Discussion

0411	James Conway MWF 1:00pm - 1:50pm TuTh 8:00am - 8:50am	Seats (Total: 31) ARM 0126 MTH 0201	Discussion
0412	James Conway MWF 1:00pm - 1:50pm TuTh 8:00am - 8:50am	Seats (Total: 30) ARM 0126 MTH 0409	Discussion
0421	James Conway MWF 1:00pm - 1:50pm TuTh 9:00am - 9:50am	Seats (Total: 31) ARM 0126 MTH 0201	Discussion
0422	James Conway MWF 1:00pm - 1:50pm TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0126 MTH 0409	Discussion
0431	James Conway MWF 1:00pm - 1:50pm TuTh 10:00am - 10:50am	Seats (Total: 32) ARM 0126 MTH 0201	Discussion
0432	James Conway MWF 1:00pm - 1:50pm TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0126 MTH 0409	Discussion
0441	James Conway MWF 1:00pm - 1:50pm TuTh 11:00am - 11:50am	Seats (Total: 32) ARM 0126 MTH 0201	Discussion
0442	James Conway MWF 1:00pm - 1:50pm TuTh 11:00am - 11:50am	Seats (Total: 30) ARM 0126 MTH 0411	Discussion
0511	Jiwoong Jang MWF 3:00pm - 3:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 30) ARM 0126 MTH B0429	Discussion
0521	Jiwoong Jang MWF 3:00pm - 3:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0126 MTH B0429	Discussion

0522	Jiwoong Jang MWF 3:00pm - 3:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 30) ARM 0126 MTH 0307	Discussion
0531	Jiwoong Jang MWF 3:00pm - 3:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 30) ARM 0126 MTH B0429	Discussion
0532	Jiwoong Jang MWF 3:00pm - 3:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 30) ARM 0126 MTH 0307	Discussion
0541	Jiwoong Jang MWF 3:00pm - 3:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 30) ARM 0126 MTH B0429	Discussion
FC01	David Pincus MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 42) PHY 2106	
FC02	Nicholas McConnell MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) MTH 0306	

MATH241H **Calculus III**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH241 or MATH340.

Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss.

For general honors students only. MATH241H will use MATLAB.

0101	Guillaume Dumas MF 10:00am - 10:50am W 10:00am - 11:50am	Seats (Total: 30) MTH 0106 MTH 0106	
0201	Jeffrey Kuan MF 11:00am - 11:50am W 11:00am - 12:50pm	Seats (Total: 30) MTH 0103 MTH 0103	

0301	Jiwoong Jang MF 1:00pm - 1:50pm W 1:00pm - 2:50pm	Seats (Total: 26) MTH 0305 MTH 0305	

MATH243 **Introduction to Linear Algebra and Differential Equations**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: ENEE290 or MATH243. Additional information: Does not satisfy requirements for the Mathematics or Computer Science major. Does not satisfy prerequisite requirements for courses requiring MATH240 or MATH246.

The basics of linear algebra and differential equations, with an emphasis on general physical and engineering applications. Aimed at students who need the material for future coursework but do not need as much depth and rigor as provided by MATH240 and MATH246.

0111	Terence Long MWF 3:00pm - 3:50pm TuTh 11:00am - 11:50am	Seats (Total: 26) ARM 0135 MTH B0425	 Discussion
0121	Terence Long MWF 3:00pm - 3:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 26) ARM 0135 MTH 0401	 Discussion
0131	Terence Long MWF 3:00pm - 3:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 26) ARM 0135 MTH B0423	 Discussion
0141	Terence Long MWF 3:00pm - 3:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 26) ARM 0135 MTH B0423	 Discussion
0211	Terence Long MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 30) ARM 0126 PLS 1164	 Discussion
0221	Terence Long MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 30) ARM 0126 PLS 1164	 Discussion

MATH246 **Differential Equations for Scientists and Engineers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH246 or MATH341.

An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations.

All sections will use MATLAB.

0101	David Hamilton MWF 3:00pm - 3:50pm	Seats (Total: 50) PHY 4221	
0111	Stefan Doboszczak MWF 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 32) ARM 0135 MTH 0106	 Discussion
0112	Stefan Doboszczak MWF 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 31) ARM 0135 MTH 0307	 Discussion
0121	Stefan Doboszczak MWF 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 31) ARM 0135 MTH 0106	 Discussion
0122	Stefan Doboszczak MWF 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 31) ARM 0135 MTH 0307	 Discussion
0131	Stefan Doboszczak MWF 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 32) ARM 0135 MTH 0106	 Discussion
0141	Stefan Doboszczak MWF 9:00am - 9:50am W 3:00pm - 3:50pm	Seats (Total: 31) ARM 0135 MTH 0106	 Discussion
0151	Stefan Doboszczak MWF 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 31) ARM 0135 MTH 0306	 Discussion
0152	Stefan Doboszczak MWF 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 32) ARM 0135 MTH 0307	 Discussion

0211	Margaret Doucette TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 27) ARM 0135 MTH 0101	Discussion
0212	Margaret Doucette TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 27) ARM 0135 MTH B0427	Discussion
0221	Margaret Doucette TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 27) ARM 0135 MTH 0101	Discussion
0222	Margaret Doucette TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 27) ARM 0135 MTH B0427	Discussion
0231	Margaret Doucette TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 27) ARM 0135 MTH 0101	Discussion
0232	Margaret Doucette TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 27) ARM 0135 MTH B0427	Discussion
0241	Margaret Doucette TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 27) ARM 0135 MTH 0101	Discussion
0251	Margaret Doucette TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 27) ARM 0135 MTH 0306	Discussion
0401	Alice Wang TuTh 9:30am - 10:45am	Seats (Total: 29) EGR 0135	

MATH246H **Differential Equations for Scientists and Engineers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH246 or MATH341.

An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations.

For general honors students only. MATH241H will use MATLAB.

0101	Margaret Doucette	Seats (Total: 20)
	TuTh 9:30am - 10:45am	MTH 0411

MATH274 **History of Mathematics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: IE

Prerequisite: MATH120, MATH130, MATH136, or MATH140; or must have completed MATH220.

An overview of aspects in the history of mathematics from its beginning in the concrete problem solving of ancient times through the development of abstraction in the 19th and 20th centuries. The course considers both mathematical ideas and the context in which they developed in various civilizations around the world.

0101	Raluca Rosca	Seats (Total: 30)
	MWF 12:00pm - 12:50pm	PHY 2124

MATH299A **Selected Topics in Mathematics; Special Topics in Study Abroad II: Introduction to Mathematical Computing**

Credits: 3 Grading Method: Regular

Topics of special interest under the general guidance of the departmental committee on undergraduate studies.

Contact department for information to register for this course.

MATH299B **Selected Topics in Mathematics; Putnam Express**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest under the general guidance of the departmental committee on undergraduate studies.

A discussion with the instructor before registering for this class is highly recommended.

0101	Roohollah Ebrahimian	Seats (Total: 25)
	W 4:00pm - 5:30pm	MTH B0425

MATH310 **Introduction to Mathematical Proof**

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in MATH141; and must have completed or be concurrently enrolled in MATH240, MATH341, or MATH461; and must have completed or be concurrently enrolled in MATH241 or MATH340. Restriction: Must be in a major within the CMNS-Mathematics department; or must be in the Mathematics minor within the CMNS-Mathematics department; or permission of the CMNS-Mathematics department. Additional information: Math majors may not use this course to satisfy an upper-level requirement.

To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.

0101	Kathryn Truman MWF 10:00am - 10:50am	Seats (Total: 45) PHY 2106
0201	Kaitlyn Loyd MWF 12:00pm - 12:50pm	Seats (Total: 35) PHY 2106

MATH312 **Mathematical Reasoning and Proof for Pre-Service Middle School Teachers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH212 and MATH213. Restriction: Must be in one of the following programs (Elementary Education; Special Education; Middle School Education).

Reasoning and proof as addressed in the middle school curriculum. Topics include proportional reasoning, logic and proof, types of numbers, field axioms, Euclidean and non-Euclidean geometry.

0101	Nora Belfedal TuTh 12:30pm - 1:45pm	Seats (Total: 20) EDU 3233

MATH315 **Algebra for Preservice Middle School Teachers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH212. Restriction: Must be in one of the following programs (Elementary Education; Special Education; Middle School Education).

Algebraic concepts and techniques developed in the middle grades, with their larger mathematical context. Equations, inequalities and functions (linear, polynomial, exponential, logarithmic), with multiple representations of relationships. Common misconceptions of beginning algebra students.

0101	Carolina Napp-Avelli M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 20) EDU 2212 Location: TBA

MATH340 **Multivariable Calculus, Linear Algebra and Differential Equations I (Honors)**

(Perm req)

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH141 and MATH140; and permission of CMNS-Mathematics department; and permission will be granted only to incoming freshmen. Credit only granted for: MATH241 or MATH340.

First semester of the MATH340-341 sequence which gives a unified and enriched treatment of multivariable calculus, linear algebra and ordinary differential equations, with supplementary material from subjects such as differential geometry, Fourier series and calculus of variations. Students completing MATH340-341 will have covered the material of MATH240, MATH241, and MATH246, and may not also receive credit for MATH240, MATH241 or MATH246.

0101	James Conway MWF 10:00am - 11:15am	Seats (Total: 36) MTH B0421	
0201	Wiseley Wong MWF 1:00pm - 2:15pm	Seats (Total: 36) MTH B0421	

MATH386 **Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail

Prerequisite: Must have learning proposal approved by the CMNS Mathematics Department.

Contact department for information to register for this course.

MATH401 **Applications of Linear Algebra**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH461, MATH240, MATH341).

Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.

0111	Allan Yashinski MWF 12:00pm - 12:50pm Th 9:00am - 9:50am	Seats (Total: 31) MCB 1207 HBK 0105	 Discussion
0112	Allan Yashinski MWF 12:00pm - 12:50pm Th 10:00am - 10:50am	Seats (Total: 31) MCB 1207 HBK 0105	 Discussion
0113	Allan Yashinski MWF 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 31) MCB 1207 HBK 0105	 Discussion

0211	Tobias von Petersdorff MWF 11:00am - 11:50am Tu 3:00pm - 3:50pm	Seats (Total: 31) CCC 1205 ATL 1114	Discussion
0212	Tobias von Petersdorff MWF 11:00am - 11:50am Tu 1:00pm - 1:50pm	Seats (Total: 31) CCC 1205 ATL 1114	Discussion
0213	Tobias von Petersdorff MWF 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 31) CCC 1205 ATL 1114	Discussion
0302	Tamas Darvas TuTh 9:30am - 10:45am	Seats (Total: 35) PHY 0405	
0402	Yaxiong Liu TuTh 12:30pm - 1:45pm	Seats (Total: 35) PHY 2213	

MATH402 **Algebraic Structures**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH341, MATH461). Restriction: Must not be in any of the following programs (Mathematics (Master's); Mathematics (Doctoral)). Credit only granted for: MATH402 or MATH403.

For students having only limited experience with rigorous mathematical proofs. Parallels MATH403. Students planning graduate work in mathematics should take MATH403. Groups, rings, integral domains and fields, detailed study of several groups; properties of integers and polynomials. Emphasis is on the origin of the mathematical ideas studied and the logical structure of the subject.

0101	Zengrui Han MWF 12:00pm - 12:50pm	Seats (Total: 30) PHY 2208	

MATH403 **Introduction to Abstract Algebra**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH405 or MATH410). Credit only granted for: MATH402 or MATH403.

Integers; groups, rings, integral domains, fields.

0101	Bogdan Zavyalov MWF 11:00am - 11:50am	Seats (Total: 35) PHY 2208	

0201	Dori Bejleri TuTh 9:30am - 10:45am	Seats (Total: 35) PHY 2124

MATH405 **Linear Algebra**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and minimum grade of C- in MATH310.

An abstract treatment of finite dimensional vector spaces. Linear transformations and their invariants.

0101	Roohollah Ebrahimian MWF 1:00pm - 1:50pm	Seats (Total: 35) PHY 2124
0201	Qendrim Gashi TuTh 9:30am - 10:45am	Seats (Total: 35) CHE 2136
0301	Srivatsav Kunnawalkam Elayavalli TuTh 11:00am - 12:15pm	Seats (Total: 35) EGR 2154

MATH406 **Introduction to Number Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH241, MATH246, MATH340, MATH341, MATH461); or permission of CMNS-Mathematics department.

Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.

0101	Shin Song MWF 1:00pm - 1:50pm	Seats (Total: 33) MTH 0101
0201	Harry Tamvakis TuTh 11:00am - 12:15pm	Seats (Total: 35) BPS 1238
0301	Christian Zickert TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH 0103

MATH407 **Advanced Number Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH403.

This course is aimed at math majors who want a theoretical number theory course beyond MATH 406. Topics will be chosen from finite fields, proof of quadratic reciprocity, Chevalley-Warning theorem on solutions to equations over finite fields, p-adic numbers, Hensel's lemma, Gaussian integers and quadratic fields, the theorem on sums of two squares and four squares, Hilbert symbol, quadratic forms over p-adic fields, Gauss's theorem on sum of three squares, Dirichlet L-functions and Dirichlet's theorem on primes in arithmetic progressions, modular forms, the transcendence of e, theta functions.

0101	Niranjan Ramachandran MWF 11:00am - 11:50am	Seats (Total: 25) PHY 2211

MATH410 **Advanced Calculus I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and 1 course with a minimum grade of C- from (MATH340, MATH241); and minimum grade of C- in MATH310; and permission of CMNS-Mathematics department.

Subjects covered: sequences and series of numbers, continuity and differentiability of real-valued functions of one variable, the Riemann integral, sequences of functions and power series.

0101	Rodrigo Trevino MWF 1:00pm - 1:50pm	Seats (Total: 35) PHY 2106
0102	Steven Chadwick MWF 10:00am - 10:50am	Seats (Total: 35) PHY 2208
0201	Dong Quan Nguyen MWF 12:00pm - 12:50pm	Seats (Total: 35) PHY 2211
0202	James Conway MWF 12:00pm - 12:50pm	Seats (Total: 34) MTH 0306
0301	Sean Gruber MWF 1:00pm - 1:50pm	Seats (Total: 35) PHY 2211
0402	Panagiotis Dimakis TuTh 11:00am - 12:15pm	Seats (Total: 35) PHY 4221

MATH411 **Advanced Calculus II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH410.

Continuation of MATH410. Topics include: The topology of sets in Rn, the derivative matrix, the general chain rule, inverse and implicit function theorems with applications, smooth curves and surfaces in R3, Lagrange multipliers. Additional topics may include: Metric spaces, the contraction principle, the existence and uniqueness theorem for nonlinear first order differential equations, the Riemann integral of Rn, introduction to integration on curves and surfaces, Green's theorem.

0101	Shiferaw Berhanu MWF 1:00pm - 1:50pm	Seats (Total: 35) CHE 2140
0201	Clarke Safsten MWF 9:00am - 9:50am	Seats (Total: 35) PHY 2213

MATH416 **Applied Harmonic Analysis: An Introduction to Signal Processing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141; and 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and familiarity with MATLAB is required.

Introduces students to the mathematical concepts arising in signal analysis from the applied harmonic analysis point of view. Topics include applied linear algebra, Fourier series, discrete Fourier transform, Fourier transform, Shannon Sampling Theorem, wavelet bases, multiresolution analysis, and discrete wavelet transform.

0101	Stefan Doboszczak MWF 11:00am - 11:50am	Seats (Total: 35) PHY 2124

MATH423 **Linear Optimization**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH401, MATH461, or MATH341). Credit only granted for: MATH423 or MATH498T. Formerly: MATH498T.

Mathematical formulation of linear programming, graphical solutions, simplex method, duality, transportation problems, assignment problems, and game theory.

0101	Allan Yashinski MWF 10:00am - 10:50am	Seats (Total: 35) JMP 2202

MATH424 **Introduction to the Mathematics of Finance**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141; and 1 course with a minimum grade of C- from (STAT400, STAT410); and permission of CMNS-Mathematics department. Recommended: MATH246, MATH240, MATH241, MATH340, or MATH341. Credit only granted for: BMGT444, MATH424.

Introduction to the mathematical models used in finance and economics with emphasis on pricing derivative instruments. Designed for students in mathematics, computer science, engineering, finance and physics. Financial markets and instruments; elements from basic probability theory; interest rates and present value analysis; normal distribution of stock returns; option pricing; arbitrage pricing theory; the multiperiod binomial model; the Black-Scholes option pricing formula; proof of the Black-Scholes option pricing formula and applications; trading and hedging of options; Delta hedging; utility functions and portfolio theory; elementary stochastic calculus; Ito's Lemma; the Black-Scholes equation and its conversion to the heat equation.

0101	Steven Chadwick	Seats (Total: 35)
	MWF 12:00pm - 12:50pm	MTH B0421

MATH430 **Euclidean and Non-Euclidean Geometries**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH341, MATH461).

Hilbert's axioms for Euclidean geometry. Neutral geometry: the consistency of the hyperbolic parallel postulate and the inconsistency of the elliptic parallel postulate with neutral geometry. Models of hyperbolic geometry. Existence and properties of isometries.

0101	Daniel Cristofaro-Gardiner	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	CHM 2201

MATH431 **Geometry for Computer Applications**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH461, MATH240, MATH341).

Topics from projective geometry and transformation geometry, emphasizing the two-dimensional representation of three-dimensional objects and objects moving about in the plane and space. The emphasis will be on formulas and algorithms of immediate use in computer graphics.

0101	William Goldman	Seats (Total: 33)
	TuTh 11:00am - 12:15pm	PHY 2124

MATH432 **Introduction to Topology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH410.

Metric spaces, topological spaces, connectedness, compactness (including Heine-Borel and Bolzano-Weierstrass theorems), Cantor sets, continuous maps and homeomorphisms, fundamental group (homotopy, covering spaces, the fundamental theorem of algebra, Brouwer fixed point theorem), surfaces (e.g., Euler characteristic, the index of a vector field, hairy sphere theorem), elements of combinatorial topology (graphs and trees, planarity, coloring problems).

0101	Hannah Hoganson	Seats (Total: 33)
	MWF 2:00pm - 2:50pm	MTH 0306

MATH436 **Differential Geometry of Curves and Surfaces I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH241, MATH340); and 1 course with a minimum grade of C- from (MATH461, MATH240, MATH341); and must have completed two 400-level MATH courses with a minimum grade of C- (not including MATH461, and 480's).

Curves in the plane and Euclidean space, moving frames, surfaces in Euclidean space, orientability of surfaces; Gaussian and mean curvatures; surfaces of revolution, ruled surfaces, minimal surfaces, special curves on surfaces, "Theorema Egregium"; the intrinsic geometry of surfaces.

0101	Yaxiong Liu	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	MTH B0427

MATH445 **Elementary Mathematical Logic**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141.

Elementary development of propositional and predicate logic, including semantics and deductive systems and with a discussion of completeness, incompleteness and the decision problem.

0101	Aristomenis Papadopoulos	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	MTH 0102

MATH456 **Cryptography**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: (CMSC106, CMSC131, or ENEE150; or equivalent programming experience); and (2 courses from (CMSC330, CMSC351, ENEE324, or ENEE382); or any one of these courses and a 400-level MATH course, or two 400-level MATH courses); and Permission of CMNS-Mathematics department or permission of instructor. Cross-listed with: CMSC456, ENEE456. Credit only granted for: MATH456, CMSC456 or ENEE456.

The theory, application, and implementation of mathematical techniques used to secure modern communications. Topics include symmetric and public-key encryption, message integrity, hash functions, block-cipher design and analysis, number theory, and digital signatures.

0101	Hatice Sahinoglu MWF 10:00am - 10:50am	Seats (Total: 40) EGR 3106	
0201	Daniel Gottesman TuTh 12:30pm - 1:45pm	Seats (Total: 60) CSI 3117	

MATH461 **Linear Algebra for Scientists and Engineers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH240, MATH341, or MATH461. Additional information: This course may not be used towards the upper level math requirements for MATH/STAT majors.

Basic concepts of linear algebra. This course is similar to MATH240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

0111	Allan Yashinski MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 32) ARM 0135 MTH 0106	Discussion
0112	Allan Yashinski MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 32) ARM 0135 MTH 0304	Discussion
0121	Allan Yashinski MWF 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 32) ARM 0135 MTH 0106	Discussion
0122	Allan Yashinski MWF 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 31) ARM 0135 MTH 0304	Discussion
0131	Allan Yashinski MWF 1:00pm - 1:50pm Tu 3:00pm - 3:50pm	Seats (Total: 31) ARM 0135 MTH 0106	Discussion

0132	Allan Yashinski	Seats (Total: 31)	
	MWF 1:00pm - 1:50pm Tu 3:00pm - 3:50pm	ARM 0135 MTH 0304	Discussion

MATH462 **Partial Differential Equations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH241, MATH340); and 1 course with a minimum grade of C- from (MATH246, MATH341).

Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.

0201	Antoine Mellet	Seats (Total: 35)	
	TuTh 2:00pm - 3:15pm	PHY 2213	

MATH463 **Complex Variables**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH241, MATH340).

The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.

0101	David Hamilton	Seats (Total: 30)	
	MWF 1:00pm - 1:50pm	MTH 1313	
0201	Shiferaw Berhanu	Seats (Total: 35)	
	MWF 12:00pm - 12:50pm	EGR 1104	

MATH464 **Transform Methods**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH246, MATH341).

Fourier transform, Fourier series, discrete fast Fourier transform (DFT and FFT). Laplace transform. Poisson summations, and sampling. Optional Topics: Distributions and operational calculus, PDEs, Wavelet transform, Radon transform and applications such as Imaging, Speech Processing, PDEs of Mathematical Physics, Communications, Inverse Problems.

0101	Andrew Lawrie	Seats (Total: 33)
	TuTh 11:00am - 12:15pm	ATL 1434

MATH475 **Combinatorics and Graph Theory**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH341, MATH461); and 1 course with a minimum grade of C- from (MATH241, MATH340). Cross-listed with: CMSC475. Credit only granted for: MATH475 or CMSC475.

General enumeration methods, difference equations, generating functions. Elements of graph theory, matrix representations of graphs, applications of graph theory to transport networks, matching theory and graphical algorithms.

0101	Wiseley Wong	Seats (Total: 35)
	MWF 10:00am - 10:50am	PHY 2124

MATH489 **Research Interactions in Mathematics; Research Interactions in Mathematics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) mathematics research group. Format varies. Students and supervising faculty will agree to a contract which must be approved by the department. Up to three credits of MATH489 may be applied to the mathematics degree requirements. See the department's MATH489 online syllabus for further information.

Contact department for information to register for this course.

MATH498A **Selected Topics in Mathematics**

(Perm req)

Credits: 1-9 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduate students will be offered occasionally under the general guidance of the departmental committee on undergraduate studies.

Contact department for information to register for this course.

MATH600 **Abstract Algebra I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH405 and MATH403; or students who have taken courses with comparable content may contact the department.

Groups with operators, homomorphism and isomorphism theorems, normal series, Sylow theorems, free groups, Abelian groups, rings, integral domains, fields, modules. Topics may include HOM (A,B), Tensor products, exterior algebra.

Offered fall only.

0101	Harry Tamvakis	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	MTH 0407

MATH606 **Algebraic Geometry I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH600 and MATH601.

Prime and primary ideals in Noetherian rings, Hilbert Nullstellensatz, places and valuations, prevarieties (in the sense of Serre), dimension, morphisms, singularities, varieties, schemes, rationality.

0101	Junyan Zhao	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	MTH 0402

MATH630 **Real Analysis I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH411; or students who have taken courses with comparable content may contact the department.

Lebesgue measure and the Lebesgue integral on R, differentiation of functions of bounded variation, absolute continuity and fundamental theorem of calculus, Lp spaces on R, Riesz-Fischer theorem, bounded linear functionals on Lp, measure and outer measure, Fubini's theorem.

0101	Matei Machedon	Seats (Total: 25)
	MWF 11:00am - 11:50am	MTH 0403

MATH634 **Harmonic Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH630.

L1 theory: Fejer theorem, inversion theorem, ideal structure, Tauberian theorem. L2 theory: Plancherel-Parseval theorems, Paley-Wiener theorem. Lp theory: Hausdorff-Young theorem. Distribution theory: Bochner's theorem, Wiener continuous measures theorem, Malliavin theorem, Schwartz theory, almost periodic functions.

0101	Wojciech Czaja	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	MTH 0105

MATH642 **Dynamical Systems I**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: MATH432. And MATH630; or students who have taken courses with comparable content may contact the department.

Foundations of topological dynamics, homeomorphisms, flows, periodic and recurrent points, transitivity and minimality, symbolic dynamics. Elements of ergodic theory, invariant measures and sets, ergodicity, ergodic theorems, mixing, spectral theory, flows and sections. Applications of dynamical systems to number theory, the Weyl theorem, the distribution of values of polynomials, Vander Waerden's theorem on arithmetic progressions.

0101	Adam Kanigowski	Seats (Total: 18)
	TuTh 11:00am - 12:15pm	MTH B0431

MATH669 **Selected Topics in Riemann Surfaces**

Credits: 1-3

Grading Method: Regular, Audit

Construction of Riemann surfaces, hyperbolic geometry, Fuchsian and Kleinian groups, potential theory, uniformisation spaces of meromorphic functions, line bundles, Picard variety, Riemann-Roch, Teichmueller theory.

0101	Richard Wentworth	Seats (Total: 18)
	TuTh 2:00pm - 3:15pm	MTH B0431

MATH673 **Partial Differential Equations I**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: MATH411; or students who have taken courses with comparable content may contact the department. Cross-listed with: AMSC673. Credit only granted for: AMSC673 or MATH673.

Analysis of boundary value problems for Laplace's equation, initial value problems for the heat and wave equations. Fundamental solutions, maximum principles, energy methods. First order nonlinear PDE, conservation laws. Characteristics, shock formation, weak solutions. Distributions, Fourier transform.

Offered fall only.

0101	Huy Nguyen	Seats (Total: 18)
	TuTh 9:30am - 10:45am	PHY 4222

MATH689 **Research Interactions in Mathematics**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.

Contact department for information to register for this course.

MATH695 **Teaching Seminar**

Credits: 1 Grading Method: Regular

Restriction: Must be in one of the following programs (Mathematics (Doctoral); Mathematics (Master's); Mathematical Statistics (Doctoral); Applied Mathematics and Scientific Computation (Master's); Mathematical Statistics (Master's); Applied Mathematics and Scientific Computation (Doctoral)).

A course intended for first year teaching assistants. Topics include: everyday mechanics of teaching; teaching methods and styles; technology; course enrichment, diversity in the classroom; sexual harassment; teacher-student interactions; presentations by students.

0101	Terence Long	Seats (Total: 35)
	W 4:00pm - 5:30pm	MTH B0421

MATH712 **Mathematical Logic I**

Credits: 3 Grading Method: Regular, Audit

Sentential logic, first-order languages, models and formal deductions. Basic model theory including completeness and compactness theorems, other methods of constructing models, and applications such as non-standard analysis.

0101	Michael Laskowski	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	MTH 0102

MATH730 **Fundamental Concepts of Topology**

Credits: 3 Grading Method: Regular, Audit

Additional information: Students must have prior coursework similar to the content offered in undergraduate courses MATH403 and MATH432.

Fundamental group, covering spaces, simplicial and singular homology, CW complexes and cellular homology, cohomology and the universal coefficient theorem.

0101	Christian Zickert	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	PHY 2211

MATH742 **Geometric Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MATH673 and MATH674; or MATH740.

Calculus of Variations, Bochner technique, Morse theory, weak solutions and elliptic regularity, maximum principle for elliptic and parabolic equations, Green's function of the Laplacian, isoperimetric and Sobolev inequalities, continuity method, curvature and comparison results, harmonic maps, curvature prescription problems.

0101	Or Hershkovits	Seats (Total: 20)
	MWF 10:00am - 10:50am	MTH 0405

MATH799 Master's Thesis Research

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

MATH808A Selected Topics in Algebra

Credits: 1-3 Grading Method: Regular

Advanced topics of current interest.

Contact department for information to register for this course.

MATH808J Selected Topics in Algebra; Selected Topics in Algebra: Surfaces

Credits: 1-3 Grading Method: Regular, Audit, Sat-Fail

Advanced topics of current interest.

0101	Patrick Brosnan	Seats (Total: 18)
	MWF 10:00am - 10:50am	MTH B0431

MATH808L Selected Topics in Algebra; Elliptic Curves

Credits: 1-3 Grading Method: Regular, Audit, Sat-Fail

Advanced topics of current interest.

0101	Niranjan Ramachandran	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	MTH 1313

MATH818A Selected Topics in Logic

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

Contact department for information to register for this course.

MATH818T Selected Topics in Logic; Set Theory

Credits: 1-3 Grading Method: Regular, Audit, Sat-Fail

Advanced topics of current interest.

0101	Christian Rosendal	Seats (Total: 20)
	TuTh 9:30am - 10:45am	MTH 1308

MATH838D **Select Topics in Dynamics; Hamiltonian Dynamics**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

0101	Jaime Paradela Diaz	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	PLS 1113

MATH848A **Selected Topics in Geometry and Topology**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

Contact department for information to register for this course.

MATH848T **Selected Topics in Geometry and Topology; Introduction to Gauge Theory**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

0101	Boyu Zhang	Seats (Total: 20)
	MWF 11:00am - 11:50am	MTH 1308

MATH858A **Selected Topics in Analysis**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

Contact department for information to register for this course.

MATH858T **Selected Topics in Analysis; Methods in Nonlinear Analysis and Ellitptic PDEs**

Credits: 1-3 Grading Method: Regular, Audit, Sat-Fail

Advanced topics of current interest.

0101	Henri Berestycki	Seats (Total: 30)
	W 12:00pm - 2:00pm	MTH 3206

MATH868A **SelectedTopics in Complex Analysis**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

Contact department for information to register for this course.

MATH878T **Selected Topics in Probability; Introduction to Statistical Physics**

Credits: 3 Grading Method: Regular, Audit

Advanced topics of current interest.

0101	Ron Peled	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	EGR 1110

MATH898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

MATH899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

MEES Marine-Estuarine-Environmental Sciences Fall 2025

MEES603 **Responsible Conduct of Research**

Credits: 1 Grading Method: Regular, Audit

Credit only granted for: MEES608B or MEES603. Formerly: MEES608B.

Explores the "rules of the road" for being a scientist. Using a case study approach, the seminar will cover concepts of how science is regulated, what constitutes misconduct, how research is planned, conducted, and reported authorship and data ownership, and the ethical treatment of human and animal subjects. The course will focus mainly on mentor-trainee interactions and diversity in the sciences.

Offered synchronously to all MEES partner institutions via video. Please contact the instructor(s) for access and logistical information as needed.

0101	Cynthia Palinkas	Seats (Total: 20)
	M 2:00pm - 3:30pm	Location: TBA

MEES608O **Seminar in Marine-Estuarine-Environmental Sciences; Topics in OMICS: From Environmental Studies to Human Health**

Credits: 1 Grading Method: Regular, Audit

Offered synchronously to all MEES partner institutions via video. Please contact the instructor(s) for access and logistical information as needed.

0101	Shao Du, Jum Sook Chung F 12:00pm - 12:50pm	Seats (Total: 20) Location: TBA	

MEES613 **Environmental Statistics I**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: MEES698B or MEES613. Formerly: MEES698B.

Extends the quantitative training for students in the environmental sciences. It will explore the basic practices of statistics to inter-disciplinary environmental data. The goal is to train students with the statistical knowledge and tools needed to conduct statistical analysis in their own research. The statistical programming language R is used in class, to complete homework sets, and to analyze online data.

Offered synchronously to all MEES partner institutions via video. Please contact the instructor(s) for access and logistical information as needed.

0101	Dong Liang MW 9:30am - 10:50am F 2:00pm - 2:30pm	Seats (Total: 40) Location: TBA Location: TBA	 Discussion

MEES615 **Scientific Writing and Communication**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Restriction: Must have completed first year of graduate study; or permission of the instructor; and must have permission of the Marine Estuarine Environmental Sciences (MEES) Program. Credit only granted for: MEES608D or MEES615. Formerly: MEES608D. Additional information: Offered synchronously to all MEES partner institutions via video. Please contact the instructor(s) for access and logistical information as needed.

This professional development course will provide graduate students with a solid foundation in the fundamental concepts of scientific writing and communication to both scientists and citizens. Main topics will include the peer-review process and paper structure, how to develop strong editing and review skills, and how to craft effective research and outreach talks. Additional topics will include scientific ethics and application of communication skills to proposals, networking, job applications, and interviews. Students must agree to write new text for each writing assignment.

Offered synchronously to all MEES partner institutions via video. Please contact the instructor(s) for access and logistical information as needed.

0101	Elizabeth North, Joaquin Martinez Martinez F 9:00am - 10:50am	Seats (Total: 20) Location: TBA

MEES620 **Environment and Society**

Credits: 3

Grading Method: Regular, Audit

Cross-listed with: ANTH620. Credit only granted for: ANTH620 or MEES620. Additional information: Offered over the interactive video network.

Students will obtain foundational knowledge of core theories and methods that integrate cultural and socio-economic research into environmental science. Key topics include: coupled natural and human systems, cultural models of the environment, social networks, ecological economics, political ecology, environmental justice, and science communication.

Offered synchronously to all MEES partner institutions via video. Please contact the instructor(s) for access and logistical information as needed.

0101	Matthew Gray, Matthew Houser Th 2:00pm - 4:50pm	Seats (Total: 20) Location: TBA

MEES637 Zooplankton Ecology

Credits: 3

Grading Method: Regular, Audit

Prerequisite: MEES621; or permission of instructor. Credit only granted for: MEES698G, MEES637. Formerly: MEES698G.

A quantitative investigation of zooplankton ecology, emphasizing population dynamics and modeling, feeding, behavior, food-webs, and bio-physical interactions.

Offered synchronously to all MEES partner institutions. Please contact the instructor(s) for access and logistical information as needed.

0101	James Pierson TuTh 9:30am - 10:50am	Seats (Total: 20) Location: TBA

MEES640 Interconnected Earth Systems: Land, Ocean, and Estuary

Credits: 3

Grading Method: Regular, Audit

Explores the interconnected physical and biogeochemical systems of land, estuary, and ocean with cross cutting themes of human impacts and global change. Broad concepts will be combined with targeted interactive case studies to demonstrate how these systems are linked by humans, climate, and water.

Offered synchronously to all MEES partner institutions via video. Please contact the instructor(s) for access and logistical information as needed.

0101	Laura Lapham, Johan Schijf, William Nardin, Andrea Pain TuTh 11:00am - 12:20pm	Seats (Total: 20) Location: TBA

MEES660 **Ecological Systems**

Credits: 3 Grading Method: Regular, Audit

An introduction to the field of ecology is provided for matriculating graduate students and prepares them for more advanced concepts. Students will be exposed to ecology both in theory and practice through lectures, readings, and quantitative exercises, round table debates and discussions with current practitioners.

Offered synchronously to all MEES partner institutions via video. Please contact the instructor(s) for access and logistical information as needed.

0101	Lora Harris, Javier Lloret Barba, Jeremy Testa, Ryan Woodland, Robert Hilderbrand MW 12:30pm - 1:50pm	Seats (Total: 25) Location: TBA

MEES663 **Ecological Genomics**

Credits: 3 Grading Method: Regular, Audit

Next-generation sequencing has revolutionized ecology and evolutionary biology enabling genome-wide studies of genetic diversity and gene expression to understand how species adapt to current environments and respond to global change. In multi-species contexts, we now have the tools to understand the importance of interspecific gene flow in adaptation, determine the role of genetic diversity in community composition, and characterize the diversity and function of cryptic organisms, such as microbes, in communities and ecosystems. This course covers key topics in ecological genomics at the individual, population, interspecific, community and ecosystem levels. The course consists of lectures, student-led discussions of primary literature on genomic applications to contemporary environmental problems, and hands-on experience manipulating and analyzing real genomic data sets with the latest bioinformatic tools in UNIX/Linux and R.

Offered synchronously to all MEES partner institutions. Please contact the instructor(s) for access and logistical information as needed.

0101	Zachery Zbinden, Clara Fuchsman MW 2:00pm - 3:20pm	Seats (Total: 20) Location: TBA

MEES680 **Cell and Molecular Biology for the Environmental Scientist- From Genes to Ecosystems**

Credits: 3 Grading Method: Regular, Audit

Introduces environmental scientists to the methods and approaches that are the foundations for today's breakthroughs in molecular and cellular biology. Detailed examination of papers published in the last few years along with online background materials will be used to reinforce the connection of key concepts to experimentation.

Offered synchronously to all MEES partner institutions via video. e Please contact the instructor(s) for access and logistical information as needed.

0101	Tsvetan Bachvaroff, Eric Schott, Yantao Li	Seats (Total: 20)
	MW 9:30am - 10:50am	Location: TBA

MEES698E **Special Topics in Marine-Estuarine-Environmental Sciences; Ecosystem Restoration**

Credits: 3 Grading Method: Regular, Audit

Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.

Jointly offered with GEOL453 and GEOL789L. Overview of critical ecosystem functions across biomes/geologic settings emphasizing tradeoffs in restoration designs. Case studies illuminate structure's influence over biophysical and biogeochemical processes supporting ecosystems; then show how properties of physical, chemical, and ecosystem processes can be altered by different restoration strategies, to optimize ecosyst em services and habitat quality. Includesa semester research project.

0101	Sujay Kaushal	Seats (Total: 25)
	Tu 3:30pm - 6:30pm	PLS 1129

MEES698R **Special Topics in Marine-Estuarine-Environmental Sciences; Stable Isotopes in Environmental Research**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.

Offered synchronously to all MEES partner institutions. Please contact the instructor(s) for access and logistical information as needed.

0101	David Nelson, Lee Cooper, Hali Kilbourne, Laura Lapham	Seats (Total: 20)
	TuTh 9:30am - 10:50am	Location: TBA

MEES698V **Special Topics in Marine-Estuarine-Environmental Sciences; Environmental Field Methods**

Credits: 3 Grading Method: Regular, Audit

Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.

Offered synchronously to all MEES partner institutions via video. Please contact the instructor(s) for access and logistical information as needed.

0101	William Dennison, Mark Castro, Judith O'Neil F 1:00pm - 4:00pm	Seats (Total: 15) Location: TBA

MEES698X **Special Topics in Marine-Estuarine-Environmental Sciences; Global Environmental Remote Sensing**

Credits: 3 Grading Method: Regular, Audit

Credit according to time schedule and course organization. Lecture and/or laboratory series organized to study selected areas of environmental science not otherwise considered by existing courses. May be repeated for credit since topic coverage will change.

Offered synchronously to all MEES partner institutions. Please contact the instructor(s) for access and logistical information as needed.

0101	Gregory Silsbe TuTh 12:30pm - 1:50pm	Seats (Total: 20) Location: TBA

MEES699 **Special Problems in Marine-Estuarine-Environmental Sciences**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Research on specialized topics under the direction of individual faculty members.

Contact department for information to register for this course.

MEES718B **Study Groups on Issues in Marine Estuarine Enviornmental Sciences; Synthesizing and communicating an overview of the Chesapeakeand Watershed**

Credits: 2 Grading Method: Regular, Audit

Active discussions on current environmental topics and issues. Efforts may result in manuscripts, technical report or innovative communication products.

Offered synchronously to all MEES partner institutions via video. Please contact the instructor(s) for access and logistical information as needed.

0101	William Dennison, Julie Halick, Vanessa Vargas-Nguyen W 4:00pm - 5:50pm	Seats (Total: 20) Location: TBA

MEES718X **Study Groups on Issues in Marine Estuarine Enviornmental Sciences; Environmental impacts of technology-critical elements (TCEs)in a changing global economy**

Credits: 2 Grading Method: Regular

Active discussions on current environmental topics and issues. Efforts may result in manuscripts, technical report or innovative communication products.

Offered synchronously to all MEES partner institutions. Please contact the instructor(s) for access and logistical information as needed.

0101	Hali Kilbourne, Johan Schijf	Seats (Total: 20)
	Tu 2:00pm - 4:00pm	Location: TBA

MEES799 **Masters Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

MEES898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

MEES899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

MIEH Maryland Institute for Applied Environmental Health — Fall 2025

MIEH300 **A Public Health Perspective: Introduction to Environmental Health**

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CHEM131 and CHEM132; and must have completed or be concurrently enrolled in SPHL100 or PHSC300. Restriction: Must have earned a minimum of 60 credits; and must be in Public Health Science program; or permission of SPHL-School of Public Health. Credit only granted for: SPHL498N or MIEH300. Formerly: SPHL498N.

Environmental health is that branch of public health that deals with the human health effects of exposure to chemical, physical, and biological agents in the community, workplace, and home. Activities within Environmental Health Sciences are associated with recognizing, assessing, understanding, and mitigating the impacts of chemical, physical, and biological agents as well as understanding how human behavior and action impacts the environment. This course focuses on the central concepts, principles, issues, and applications of the essential scientific components and strategies of control of major environmental health problems.

0101	Jennifer German	Seats (Total: 20)	
	MW 9:00am - 9:50am W 10:00am - 11:50am	SPH 1312 SPH 0116A	Discussion
	Restricted to College Park students in the Public Health Science major.		
0102	Jennifer German	Seats (Total: 20)	
	MW 9:00am - 9:50am W 12:00pm - 1:50pm	SPH 1312 SPH 0116A	Discussion
	Restricted to College Park students in the Public Health Science major.		

0103	Jennifer German MW 9:00am - 9:50am W 2:00pm - 3:50pm	Seats (Total: 20) SPH 1312 SPH 0116A	 Discussion
	Restricted to College Park students in the Public Health Science major.		
0104	Jennifer German MW 9:00am - 9:50am W 4:00pm - 5:50pm	Seats (Total: 20) SPH 1312 SPH 0116A	 Discussion
	Restricted to College Park students in the Public Health Science major.		
0105	Jennifer German MW 9:00am - 9:50am F 8:00am - 9:50am	Seats (Total: 20) SPH 1312 SPH 0116A	 Discussion
	Restricted to College Park students in the Public Health Science major.		
0106	Jennifer German MW 9:00am - 9:50am F 10:00am - 11:50am	Seats (Total: 20) SPH 1312 SPH 0116A	 Discussion
	Restricted to College Park students in the Public Health Science major.		
0107	Jennifer German MW 9:00am - 9:50am F 12:00pm - 1:50pm	Seats (Total: 20) SPH 1312 SPH 0116A	 Discussion
	Restricted to College Park students in the Public Health Science major.		
0108	Jennifer German MW 9:00am - 9:50am F 2:00pm - 3:50pm	Seats (Total: 20) SPH 1312 SPH 0116A	 Discussion
	Restricted to College Park students in the Public Health Science major.		
ESG1	Meleah Boyle Th 5:00pm - 7:30pm Class time/details on ELMs	Seats (Total: 35) BLD3 2219 ONLINE	 Discussion
	Restricted to Shady Grove students in the Public Health Science major.		

MIEH309 **Environmental Health Research**

(Perm req) Credits: 1-3 Grading Method: Regular

This research-based course will provide undergraduates with the opportunity to work closely with one of the faculty researchers in the Maryland Institute for Applied Environmental Health (MIAEH) within the School of Public Health. Our research covers multiple fields within the environmental health sciences (e.g. environmental epidemiology, exposure science, risk assessment, environmental microbiology, environmental microbial genomics, food toxicology, airborne infection transmission, environmental justice, and children's environmental health) that involve either laboratory-based research or non-laboratory based studies. Students will not only gain invaluable research and interpersonal skills but also contribute to MIAEH's ongoing environmental health research programs.

Contact department for information to register for this course.

MIEH321 **Environmental Determinants of Emerging Infectious Diseases**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in SPHL100.

Examines the influences of environmental factors, economic development, migration, and land use changes on emergence and reemergence of infectious diseases. Explores how population growth, development, and climate change impact natural reservoirs of infectious diseases and how they are transmitted through human populations. Includes historical accounts, newly emerging and reemerging diseases.

0101	Heather Amato MW 11:00am - 11:50am	Seats (Total: 20) SPH 1301
	Restricted to students in the Global Health or ENSP-Environmental Justice majors.	
0201	Heather Amato MW 11:00am - 11:50am	Seats (Total: 15) SPH 1301

MIEH331 **The Built Environment, Sustainability, and Public Health: The Good, the Bad, and the Ugly**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MIEH300; or permission of instructor. Credit only granted for: MIEH215 or MIEH331. Formerly: MIEH215.

Provides students with a fundamental understanding of theory, concepts, and issues related to the built environment; how the built environment influences behaviors and health outcomes; and opportunities to improve the built environment through planning, zoning, and community development initiatives that can make communities healthier, just, and more sustainable.

0101	Arielle Wharton MW 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 25) ATL 0201 ONLINE

MIEH331H **The Built Environment, Sustainability, and Public Health: The Good, the Bad, and the Ugly**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MIEH300; or permission of instructor. Credit only granted for: MIEH215 or MIEH331. Formerly: MIEH215.

Provides students with a fundamental understanding of theory, concepts, and issues related to the built environment; how the built environment influences behaviors and health outcomes; and opportunities to improve the built environment through planning, zoning, and community development initiatives that can make communities healthier, just, and more sustainable.

0101	Arielle Wharton	Seats (Total: 2)
	MW 1:00pm - 1:50pm	ATL 0201
	Class time/details on ELMs	ONLINE

MIEH333 **Every Drop Counts: Water, Food and Global Public Health**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENSP101 or MIEH300; or permission of department. Cross-listed with: ENSP360. Credit only granted for: MIEH333 or ENSP360.

In-depth interdisciplinary study of the public health issues related to water use for global food production. Topics will include accessibility and availability of safe water for agriculture worldwide, potential microbiological and chemical hazards in agricultural water, alternative water sources such as reclaimed wastewater and return flows, food safety approaches to managing agricultural water, and agricultural influences on surface and groundwater quality. Political, social, and economic factors relating to agricultural water will be addressed, with special focus on regions that are leaders in innovative water management and regions where access to clean water for agriculture is a major challenge.

0101	Leena Malayil	Seats (Total: 25)
	M 9:00am - 10:30am	ONLINE

MIEH480 **Introduction to Occupational Health**

Credits: 3

Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in MIEH300 and EPIB301. Recommended: BSCI201.

Through in-person site visits, hands-on activities and case studies, students will learn about healthy workplaces and their critical role in public health. The course will center on the field of occupational health and safety. Site visits will enable students to hear firsthand from workers, local health & safety professionals, and former students now in the field. Case studies will allow students to explore today's critical work hazards across various work environments and industries.Students will develop and apply essential skills, such as conducting a safety walk-through in a worksite, leading a worker safety training, and writing a safety plan for an employer. Upon course completion, students will be prepared to address traditional workplace problems, as well as emerging hazards like extreme heat, poor indoor air quality, and the mental health challenges of today's workplace.

0101	Kathleen McPhaul	Seats (Total: 15)
	M 4:00pm - 6:45pm	SPH 0121

MIEH600 **Foundations of Environmental Health**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: HLTH761 or MIEH600. Formerly: HLTH761.

Overview of the chemical, physical and biological hazards present in our living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessment, ecological issues and environmental laws.

0201	Rachel Goldstein	Seats (Total: 20)
	W 10:00am - 12:45pm	SPH 0305

MIEH605 **Fundamentals of Global Health**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: SPHL600 or SPHL698A. Formerly: SPHL698A.

Exploration of theoretical frameworks and practicial perspectives in global health with particular attention to the analysis of the biological, epidemiological, social, cultural and behavioral interactions that affect global health study and project implementation. The emphasis is on innovative solutions to health issues in underserved populations.

GH01	Muhiuddin Haider	Seats (Total: 25)
	W 5:00pm - 7:00pm	ONLINE
	Class time/details on ELMs	ONLINE

MIEH609 **Methods in Environmental Health**

(Perm req)

Credits: 1-3 Grading Method: Regular

This research-based rotation in environmental health sciences will provide graduate students with the opportunity to work closely with faculty researchers in the Maryland Institute for Applied Environmental Health (MIAEH) within the School of Public Health. Our research covers multiple fields within the environmental health sciences (e.g. environmental epidemiology, exposure science, risk assessment, environmental microbiology, environmental microbiology, environmental microbial genomics, food toxicology, airborne infection transmission, environmental justice, and children's environmental health) that involve either laboratory-based research or non-laboratory based studies. Students will not only gain invaluable research experience and interpersonal skills but also contribute to MIAEH's ongoing environmental health research programs.

Contact department for information to register for this course.

MIEH691 **UMD Global STEWARDS: Project-Based Data Practicum at the Nexus of Food, Energy, and Water Systems**

Credits: 2 Grading Method: Regular, Audit

Prerequisite: MIEH690, . Restriction: Permission of instructor; and must be in UMD Global STEWARDS Fellows.

The range of food-energy-water (FEW) systems challenges from local to global scales. During the semester, students will gain real-world experience by participating in the conceptualization and/or conduct of an interdisciplinary FEW systems project. Projects may employ engineering, life sciences, epidemiological or policy approaches; earth system sciences frameworks; computational methods; and/or other innovative approaches. Through this work, students will gain hands-on experience in study design, research methods, and data analysis across varying FEW disciplines. Each student will bring a diverse set of expertise to the projects, creating a microcosm for interdisciplinary team science. During the course, students will have the opportunity to refine oral and written communication skills, including team writing. The deliverable for the course may include a grant proposal, a manuscript, a FactSheet, an Op-Ed, or another actionable type of science/policy writing.

0101	Rianna Murray W 1:00pm - 2:45pm	Seats (Total: 15) SPH 0225

MIEH740 **Environmental Health Risk Assessment**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MIEH600; or permission of instructor.

Review of the major methods of human and ecological risk assessment conducted by the U.S. Environment Protection Agency. Emphasis on sources of uncertainty.

0201	Abdel-Razak Kadry Tu 4:00pm - 6:45pm	Seats (Total: 15) SPH 0305

MIEH778 **Practical Experience in Public Health**

(Perm req)

Credits: 1-4 Grading Method: Regular, Audit

Practice experience and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the practice experience will depend upon the student's background and career goals.

0201	Rianna Murray Contact instructor or department for details.	Seats (Total: 5)

MIEH780 **Occupational Health**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: MIEH720 and MIEH771; and must have completed SPHL602. Or permission of instructor.

A synthesis of epidemiology, toxicology, exposure science, risk assessment, and policy. Emphasis will be on methods for anticipating, recognizing, evaluating and controlling workplace hazards; the hierarchy of controls; and current hot topics in occupational health.

0101	Kathleen McPhaul M 4:00pm - 6:45pm	Seats (Total: 10) SPH 0121

MIEH783 **Proposal Development and Marketing for Public Health Scientists**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Every scientist, whether in academia, government, or industry, must write compelling proposals if they are to succeed in having resources to pursue their passions and interests. To write a compelling proposal, we must develop clear and concise hypotheses and definitive ways to test them. But to have an impact, to get funded, to graduate, we must also excel at marketing our ideas and our achievements to other scientists and the public. This course is designed for doctoral students and postdoctoral fellows who want to develop and hone their proposal development and marketing skills.

0101	Donald Milton W 4:00pm - 5:15pm Class time/details on ELMs	Seats (Total: 15) SPH 0301 ONLINE

MIEH786 **Capstone Project in Public Health**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.

Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

MIEH788 **Critical Readings in Environmental Health**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

In-depth examination and critical discussion of the current literature relevant to environmental health.

Contact department for information to register for this course.

MIEH789 **Independent Study**

(Perm req) Credits: 1-6 Grading Method: Regular, Audit

Individual reading and/or research under a specific faculty member in the department.

Contact department for information to register for this course.

MIEH799 **Master's Thesis Research**

(Perm req) Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

MIEH898 **Pre-Candidacy Research**

(Perm req) Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

MIEH899 **Doctoral Dissertation Research**

(Perm req) Credits: 1-8 Grading Method: Sat-Fail

Contact department for information to register for this course.

MITH Maryland Institute for Technology in the Humanities Fall 2025

MITH388 **Digital Humanities Research Assistantship**

(Perm req) Credits: 1-3 Grading Method: Regular, Pass-Fail

An applied introduction to the theory and practice of digital research. The internship includes regular meetings with MITH staff, including designers, developers, information professionals, project managers, and faculty, to gain knowledge of existing digital scholarship and resources within the arts and humanities. Students may contribute to existing MITH projects or propose a small, independent research project on which they will receive support from MITH staff.

0101	Jeffrey Moro Contact instructor or department for details.	Seats (Total: 10)
0201	Raffaele Viglianti Contact instructor or department for details.	Seats (Total: 5)

MITH388T **Digital Humanities Research Assistantship; Maryland Institute for Technology in the Humanities Internships**

(Perm req) Credits: 1-3 Grading Method: Regular, Pass-Fail

An applied introduction to the theory and practice of digital research. The internship includes regular meetings with MITH staff, including designers, developers, information professionals, project managers, and faculty, to gain knowledge of existing digital scholarship and resources within the arts and humanities. Students may contribute to existing MITH projects or propose a small, independent research project on which they will receive support from MITH staff.

0101	Jeffrey Moro	Seats (Total: 5)
	Contact instructor or department for details.	

MITH628B **Special Topics in Digital Humanities; Research Assistantship**

Credits: 3 Grading Method: Regular, Audit

A graduate level introduction to special topics, and technical approaches, for theoretically grounded humanities and social sciences digital research. Class meetings will introduce students to a variety of technical approaches potentially applicable to the specific topical foci; the theoretical basis for selecting, evaluating, and modifying technical approaches; and best practices in project management.

0101	Raffaele Viglianti	Seats (Total: 15)
	Contact instructor or department for details. Class time/details on ELMs	ONLINE

MITH729 **Colloquium in Digital Studies**

Credits: 1 Grading Method: Sat-Fail

Colloquium in support of the ARHU-MITH Graduate Certificate in Digital Studies. We will meet periodically (approximately 4-5 times a semester) to read and discuss current work in the field, interact with visiting speakers, share work in progress, learn new tools and methods, and hear research presentations from one another.

Cross-listed with COMM698M. Credit only granted for MITH729 or COMM698M.

0101	Marisa Parham	Seats (Total: 25)
	F 3:00pm - 5:00pm	HBK 0301

MLAW MPower Undergraduate Law Programs Fall 2025

MLAW100 **Justice and the Law**

Credits: 3 Grading Method: Regular General Education: DSHS

Restriction: Course enrollment is restricted to first-semester students in the College Park Scholars Justice and Legal Thought Program (CPJT).

An exploration into the relationship between justice and law, including psychological, philosophical, political and legal approaches to justice, as well as an analytical framework for understanding human rights.

0101	Robert Koulish	Seats (Total: 83)
	TuTh 11:00am - 12:15pm	CCC 1205

MLAW304 **Introduction to Law and Social Inquiry**

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Must be in the Law and Society (MLAW) minor.

An exploration of the relationship between law and society from an interdisciplinary perspective. Major themes cover the impact of law on society, society on law and social change.

0101	Christine White	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	TWS 1106
0201	Christine White	Seats (Total: 35)
	MW 11:00am - 12:15pm	ASY 3207

MLAW305 **Law and Legal Institutions in Social Context**

Credits: 3 Grading Method: Regular

Prerequisite: MLAW304. Restriction: Must be a student in the Law and Society Minor.

An exploration of case law, statutes, and regulations separately and together in their social context.

0101	Brian Gilmore	Seats (Total: 40)
	TuTh 9:30am - 10:45am	SQH 1103

MLAW315 **Citizenship and Naturalization in America**

Credits: 2 Grading Method: Regular

Restriction: Must be in the Law and Society minor (MLAW); or must be in College Park Scholars Justice and Legal Thought (CPJT).

Notions of who is an American - and who is not - are deeply rooted in the American ethos. Although the United States has long been praised for its inclusiveness vis-a-vis citizenship - including a policy of jus soli, or birthright citizenship - a closer look reveals a difficult history involving the categorical exclusion of many groups from American citizenship. We will examine this history, focusing particularly on Black and Native Americans and immigrants, and drawing upon legal cases, historical texts, and personal narratives detailing the lived experiences of those seeking American citizenship. We will trace this history to the present and explore the current process and requirements for becoming an American citizen. Students will have an opportunity to engage guests and discussions from the Maryland Carey School of Law and other experts.

0101	Grace Benton	Seats (Total: 18)
	W 5:30pm - 7:10pm	VMH 2211

MLAW358T **Selected Topics in Law and Society; Tackling Trafficking: The Legal System's Responses to Human Trafficking**

Credits: 3 Grading Method: Regular

An interdisciplinary exploration of topics in law and society. Major scholarly interpretations of specific substantive fields of law.

0101	Christine White	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ASY 3217

MLAW358X **Selected Topics in Law and Society; Introduction to Constitutional Law**

Credits: 3 Grading Method: Regular

An interdisciplinary exploration of topics in law and society. Major scholarly interpretations of specific substantive fields of law.

Prerequisites: GVPT170 and GVPT331. Jointly offered with GVPT431. Credit only granted for GVPT431 or MLAW358X.

0101	Martin Kobren	Seats (Total: 5)
	MW 2:00pm - 3:15pm	TYD 0117

MLAW359 **Undergraduate Teaching Assistant Experience**

(Perm req)

Credits: 3 Grading Method: Regular

Designed to engage experienced Law and Society students as mentors and class leaders. Students will be involved in lesson planning, course design, field trips, and class discussion as they develop their leadership and public speaking skills.

0101	Brandee Pettus	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

MLAW378E **Special topics in Law and Society; Experiences, Advocacy and Research**

(Perm req)

Credits: 3 Grading Method: Regular

An interdisciplinary examination in law and society, relying on scholarly interpretations of specific substantive topics of law

Restriction: Permission of department.

0101	Brandee Pettus	Seats (Total: 5)
	Class time/details on ELMs	ONLINE

MLAW378K **Special topics in Law and Society; The US Supreme Court and American Society**

Credits: 3 Grading Method: Regular

An interdisciplinary examination in law and society, relying on scholarly interpretations of specific substantive topics of law

This course investigates the United States Supreme Court and its role in politics, government, and society. Other than its constitutional justification, why do we need and have a U.S. Supreme Court? What are some of the most important opinions issued by the Supreme Court that changed society, for the good, and bad? Who are the Court's most important justices? And most of all, how does the Court work? This course will trace the development of the constitutional doctrine of the Court, the growth of the Court's institutional power, and the Court s interaction with Congress, the president, and society. Discussed are major constitutional law decisions, their political contexts, and the social and behavioral factors that affect judges, justices, and federal court jurisprudence. There will be a strong emphasis on how the Court's decisions have impacted law and society and how the Court helps to maintain a certain kind of society.

0101	Brian Gilmore	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	SQH 1111

MLAW378R **Special topics in Law and Society; Restorative Justice to the Power of Three**

Credits: 3 Grading Method: Regular

An interdisciplinary examination in law and society, relying on scholarly interpretations of specific substantive topics of law

Restorative justice is dawning in our society as an alternative to the traditional, punitive, and hierarchical methods of discipline and conflict resolution. This interactive, experience-based course, will equip you to resolve conflict and bring healing to situations throughout your life, and facilitate restorative interventions and applications.

0101	Nancy Schertzing	Seats (Total: 18)
	M 3:00pm - 5:30pm	SQH 1123

MLAW388 **Law and Society Internship**

Credits: 1-4 Grading Method: Regular

Participation in the Law and Society Internship (LASI) offers students the opportunity to enhance their education through practical skill building in the realm of law-related professionals.

Restricted to students within the Law and Society minor.

0101	Brandee Pettus	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

MLAW404 **Law & Society Capstone**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Restriction: Student must be enrolled in the Law and Society minor.

An exploration of the implications of technology on law and society from a variety of perspectives.Significant issues will be taken from contemporary scholarship and court cases.

Contact department for information to register for this course.

MLSC MD Language Science Ctr Fall 2025

MLSC308 **PULSAR Language Science Research Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Research seminar for students in the PULSAR language science program. Weekly presentations and discussions on diverse topics in language science research, as well as on developing research skills.

0101	Andrea Zukowski	Seats (Total: 25)
	Contact instructor or department for details.	

MSAI Master of Science in Artificial Intelligence Fall 2025

MSAI601 **Probability and Statistics**

Credits: 3 Grading Method: Regular

Prerequisite: Undergraduate courses in calculus and basic linear algebra. Cross-listed with: DATA601, BIOI601, MSML601. Credit only granted for: BIOI601, DATA601, MSAI601 or MSML601.

Provides a solid understanding of the fundamental concepts of probability theory and statistics. The course covers the basic probabilistic concepts such as probability space, random variables and vectors, expectation, covariance, correlation, probability distribution functions, etc. Important classes of discrete and continuous random variables, their inter-relation, and relevance to applications are discussed. Conditional probabilities, the Bayes formula, and properties of jointly distributed random variables are covered. Limit theorems, which investigate the behavior of a sum of a large number of random variables, are discussed. The main concepts random processes are then introduced. The latter part of the course concerns the basic problems of mathematical statistics, in particular, point and interval estimation and hypothesis testing.

PCS1	Jonathan Fernandes	Seats (Total: 55)
	W 6:00pm - 8:45pm Class time/details on ELMs	BPS 1243 ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PCS2	Anna Szczekutowicz	Seats (Total: 55)
	M 12:00pm - 2:45pm	SQH 1117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	

PCS3	Anna Szczekutowicz M 5:00pm - 7:45pm	Seats (Total: 55) PHY 1410
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PCS4	Roohollah Ebrahimian Th 3:00pm - 5:45pm	Seats (Total: 55) EGR 0108
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PCS6	Jonathan Fernandes W 3:00pm - 5:45pm Class time/details on ELMs	Seats (Total: 55) BPS 1243 ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PWS1	Leonid Koralov W 6:00pm - 8:45pm	Seats (Total: 55) ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	

MSAI602 **Principles of Data Science**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs: (Data Science Post-Baccalaureate Certificate, Master of Professional Studies in Data Science and Analytics, or Master of Professional Studies in Machine Learning). Cross-listed with: DATA602, BIOI602, MSML602. Credit only granted for: BIOI602, DATA602, MSAI602, MSML602 or CMSC641. Formerly: CMSC641.

An introduction to the data science pipeline, i.e., the end-to-end process of going from unstructured, messy data to knowledge and actionable insights. Provides a broad overview of what data science means and systems and tools commonly used for data science, and illustrates the principles of data science through several case studies.

PCS1	Mohammad Nayeem Teli M 4:00pm - 6:45pm	Seats (Total: 50) CHE 2108
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	

PCS2	Fardina Alam Tu 5:00pm - 7:45pm	Seats (Total: 55) IRB 0318
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PCS3	Tammy Perrin M 3:00pm - 5:45pm	Seats (Total: 35) BPS 1243
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PCS4	Tammy Perrin M 6:00pm - 8:45pm	Seats (Total: 35) BPS 1243
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PCS5	Tammy Perrin Th 4:30pm - 7:15pm	Seats (Total: 55) CHE 2110
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PCS6	Anna Evtushenko M 3:00pm - 5:45pm	Seats (Total: 35) ATL 2400
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PCS7	Anna Evtushenko M 6:00pm - 8:45pm	Seats (Total: 35) IRB 0318
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	

MSAI603 **Principles of Machine Learning**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs: (Data Science Post-Baccalaureate Certificate, Master of Professional Studies in Data Science and Analytics, or Master of Professional Studies in Machine Learning). Cross-listed with: DATA603, BIOI603, MSML603, MSQC603. Credit only granted for: BIOI603, DATA603, MSAI603, MSML603, MSQC603 or CMSC643. Formerly: CMSC643.

A broad introduction to machine learning and statistical pattern recognition. Topics include: Supervised learning: Bayes decision theory, discriminant functions, maximum likelihood estimation, nearest neighbor rule, linear discriminant analysis, support vector machines, neural networks, deep learning networks. Unsupervised learning: clustering, dimensionality reduction, PCA, auto-encoders. The course will also discuss recent applications of machine learning, such as computer vision, data mining, autonomous navigation, and speech recognition.

PCS1	Babak Azimi-Sadjadi M 6:00pm - 8:45pm	Seats (Total: 50) CSI 2117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PCS2	Babak Azimi-Sadjadi Th 6:00pm - 8:45pm	Seats (Total: 50) MCB 1207
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PCS3	Alejandra Mercado F 9:00am - 11:45am	Seats (Total: 50) PLS 1140
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PCS4	Richard La Tu 3:30pm - 6:15pm	Seats (Total: 50) TWS 0310
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PCS5	Richard La Tu 7:00pm - 9:45pm	Seats (Total: 50) TWS 1100
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PWS1	Kemal Davaslioglu Th 6:00pm - 8:45pm	Seats (Total: 50) ONLINE

MSAI631 AI and Society

Credits: 3 Grading Method: Regular

This course is an interdisciplinary exploration of the social impacts and ethical implications of AI. It examines the histories, social values and power dynamics shaping AI technologies, as well as how AI is reshaping culture, politics, and society. Students will develop a sociotechnical understanding of AI related to policy, education, labor, economic systems, and culture. Using approaches from the humanities and social sciences, students will develop frameworks to address ongoing challenges including digital inequality, bias, and surveillance. Students will also learn how AI has and can be used to foster positive social change.

PCS1	Jessica Mathiason	Seats (Total: 50)
	Th 5:30pm - 7:15pm	IRB 1116
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

MSML Machine Learning Fall 2025

MSML601 **Probability and Statistics**

Credits: 3 Grading Method: Regular

Prerequisite: Undergraduate courses in calculus and basic linear algebra. Cross-listed with: DATA601, BIOI601, MSAI601. Credit only granted for: BIOI601, DATA601, MSAI601 or MSML601.

Provides a solid understanding of the fundamental concepts of probability theory and statistics. The course covers the basic probabilistic concepts such as probability space, random variables and vectors, expectation, covariance, correlation, probability distribution functions, etc. Important classes of discrete and continuous random variables, their inter-relation, and relevance to applications are discussed. Conditional probabilities, the Bayes formula, and properties of jointly distributed random variables are covered. Limit theorems, which investigate the behavior of a sum of a large number of random variables, are discussed. The main concepts random processes are then introduced. The latter part of the course concerns the basic problems of mathematical statistics, in particular, point and interval estimation and hypothesis testing.

PCS1	Jonathan Fernandes	Seats (Total: 55)
	W 6:00pm - 8:45pm Class time/details on ELMs	BPS 1243 ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PCS2	Anna Szczekutowicz	Seats (Total: 55)
	M 12:00pm - 2:45pm	SQH 1117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

PCS3	Anna Szczekutowicz M 5:00pm - 7:45pm	Seats (Total: 55) PHY 1410
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS4	Roohollah Ebrahimian Th 3:00pm - 5:45pm	Seats (Total: 55) EGR 0108
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS6	Jonathan Fernandes W 3:00pm - 5:45pm Class time/details on ELMs	Seats (Total: 55) BPS 1243 ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will have both online and in person requirements.	
PWS1	Leonid Koralov W 6:00pm - 8:45pm	Seats (Total: 55) ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will be fully online.	

MSML602 Principles of Data Science

Credits: 3 Grading Method: Regular

Restriction: Must be in one of the following programs: (Data Science Post-Baccalaureate Certificate, Master of Professional Studies in Data Science and Analytics, or Master of Professional Studies in Machine Learning). Cross-listed with: DATA602, BIOI602, MSAI602. Credit only granted for: BIOI602, DATA602, MSAI602, MSML602 or CMSC641. Formerly: CMSC641.

An introduction to the data science pipeline, i.e., the end-to-end process of going from unstructured, messy data to knowledge and actionable insights. Provides a broad overview of what data science means and systems and tools commonly used for data science, and illustrates the principles of data science through several case studies.

PCS1	Mohammad Nayeem Teli M 4:00pm - 6:45pm	Seats (Total: 50) CHE 2108
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

PCS2	Fardina Alam Tu 5:00pm - 7:45pm	Seats (Total: 55) IRB 0318
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS3	Tammy Perrin M 3:00pm - 5:45pm	Seats (Total: 35) BPS 1243
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS4	Tammy Perrin M 6:00pm - 8:45pm	Seats (Total: 35) BPS 1243
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS5	Tammy Perrin Th 4:30pm - 7:15pm	Seats (Total: 55) CHE 2110
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS6	Anna Evtushenko M 3:00pm - 5:45pm	Seats (Total: 35) ATL 2400
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS7	Anna Evtushenko M 6:00pm - 8:45pm	Seats (Total: 35) IRB 0318
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

MSML603 **Principles of Machine Learning**

Credits: 3 Grading Method: Regular

Restriction: Must be in one of the following programs: (Data Science Post-Baccalaureate Certificate, Master of Professional Studies in Data Science and Analytics, or Master of Professional Studies in Machine Learning). Cross-listed with: DATA603, BIOI603, MSAI603, MSQC603. Credit only granted for: BIOI603, DATA603, MSAI603, MSML603, MSQC603 or CMSC643. Formerly: CMSC643.

A broad introduction to machine learning and statistical pattern recognition. Topics include: Supervised learning: Bayes decision theory, discriminant functions, maximum likelihood estimation, nearest neighbor rule, linear discriminant analysis, support vector machines, neural networks, deep learning networks. Unsupervised learning: clustering, dimensionality reduction, PCA, auto-encoders. The course will also discuss recent applications of machine learning, such as computer vision, data mining, autonomous navigation, and speech recognition.

The lecture may be conducted online some weeks and in person other weeks. Please see ELMS for Class meeting details.

PCS1	Babak Azimi-Sadjadi M 6:00pm - 8:45pm	Seats (Total: 50) CSI 2117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS2	Babak Azimi-Sadjadi Th 6:00pm - 8:45pm	Seats (Total: 50) MCB 1207
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS3	Alejandra Mercado F 9:00am - 11:45am	Seats (Total: 50) PLS 1140
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS4	Richard La Tu 3:30pm - 6:15pm	Seats (Total: 50) TWS 0310
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS5	Richard La Tu 7:00pm - 9:45pm	Seats (Total: 50) TWS 1100
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PWS1	Kemal Davaslioglu Th 6:00pm - 8:45pm	Seats (Total: 50) ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will be fully online.	

MSML610 Advanced Machine Learning

Credits: 3

Grading Method: Regular, Audit

The course will cover advanced methods and techniques of machine learning. Topics include Bayesian learning, expectation-maximization algorithms, hidden Markov models, probabilistic graphical models, latent variable modeling, and Markov logic networks. Applications to computer vision and information security will be emphasized.

PCS1	Giacinto Paolo Saggese W 7:00pm - 9:45pm	Seats (Total: 80) IRB 1116
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS2	Giacinto Paolo Saggese Th 6:00pm - 8:45pm Class time/details on ELMs	Seats (Total: 42) CHE 2108 ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. This section will have some in person lectures, and some recorded lectures. Please check ELMS for a detailed syllabus and agenda.	

MSML612 Deep Learning

Credits: 3

Grading Method: Regular, Audit

Prerequisite: DATA603 or MSML603. Cross-listed with: DATA612, MSAI612. Credit only granted for: DATA612, MSAI612 or MSML612.

Provides an introduction to the construction and use of deep neural networks: models that are composed of several layers of nonlinear processing. The class will focus on the main features in deep neural nets structures. Specific topics include backpropagation and its importance to reduce the computational cost of the training of the neural nets, various coding tools available and how they use parallelization, and convolutional neural networks. Additional topics may include autoencoders, variational autoencoders, convolutional neural networks, recurrent and recursive neural networks, generative adversarial networks, and attention-based models. The concepts introduced will be illustrated by examples of applications chosen among various classification/clustering questions, computer vision, natural language processing.

PCS1	Samet Ayhan Th 6:00pm - 8:45pm	Seats (Total: 69) TWS 1100
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

MSML640 Computer Vision

Credits: 3

Grading Method: Regular, Audit

Prerequisite: BIOI603, DATA603, or MSML603. Cross-listed with: DATA640, MSAI640. Credit only granted for: MSML640, MSAI640 or DATA640.

An introduction to basic concepts and techniques in computer vision. Topics include low-level operations such as image filtering, correlation, edge detection and Fourier analysis. Image segmentation, texture and color analysis. Perspective, cameras and 3D reconstruction of scenes using stereo and structure from motion. Deep learning for object detection, recognition and classification in images and video.

PCS1	Sujeong Kim Tu 6:00pm - 8:45pm	Seats (Total: 55) IRB 1116
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS2	Sujeong Kim W 6:00pm - 8:45pm	Seats (Total: 55) CSI 3117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

MSML641 **Natural Language Processing**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: DATA603 or MSML603. Cross-listed with: DATA641, MSAI641. Credit only granted for: DATA641, MSAI641 or MSML641.

Introduces fundamental concepts and techniques involved in getting computers to deal more intelligently with human language. Focused primarily on text (as opposed to speech), the class will offer a grounding in core NLP methods for text processing (such as lexical analysis, sequential tagging, syntactic parsing, semantic representations, text classification, unsupervised discovery of latent structure), key ideas in the application of deep learning to language tasks, and consideration of the role of language technology in modern society.

PCS3	Naeemul Hassan M 7:00pm - 9:45pm	Seats (Total: 55) CSI 3117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS4	Naeemul Hassan Tu 6:00pm - 8:45pm	Seats (Total: 55) CHE 2108
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

PCS5	Toki Inan M 7:00pm - 9:45pm	Seats (Total: 55) IRB 1116
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PWS1	Armin Mehrabian, Peter Vickers M 7:00pm - 9:45pm	Seats (Total: 55) ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will be fully online.	
PWS2	Peter Vickers, Armin Mehrabian Tu 6:00pm - 8:45pm	Seats (Total: 55) ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

MSML642 **Robotics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: DATA603, MSML603, or MSQC603.

Machine learning can expand the capabilities of robotic systems including UAV, and applies to a variety of robotic system functions including planning, control, and perception. Robot Learning covers the application of learning techniques including Reinforcement Learning, Learning from Demonstration, Evolutionary, and Robot Shaping that may be used with a variety of machine learning paradigms. A variety of paradigms are available to generate models (e.g., CMAC, lazy learning, LWR, RBF, deep networks). These learning techniques and paradigms are then combined with traditional robotic control approaches (e.g., motor schema, behavior-based, direct and inverse methods) to create controllers to control the robots while operating in real-world environments. This course will explore applying machine learning techniques, paradigms, and control design to robotic systems including UAV. Students will construct a simulation environment for robot system by using machine learning methods.

PCS1	Jerry Wu Th 7:00pm - 9:45pm	Seats (Total: 50) EGR 1108
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

MSML650 **Cloud Computing**

Credits: 3 Grading Method: Regular

Cross-listed with: DATA650. Credit only granted for: MSML650 or DATA650.

Presents the state of the art in cloud computing technologies and applications. Topics will include: telecommunications needs, architectural models for cloud computing, cloud computing platforms and services. Data center networking, server, network and storage virtualization technologies, and containerization. Cloud operating and orchestration systems. Security, privacy, and trust management; resource allocation and quality of service; interoperability and internetworking.

PCS1	Samet Ayhan M 4:00pm - 6:45pm	Seats (Total: 50) CSI 1121
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS2	Samet Ayhan W 6:00pm - 8:45pm	Seats (Total: 55) ESJ 2204
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS3	Emre Gunduzhan W 6:00pm - 8:45pm	Seats (Total: 55) CSI 2117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS5	Zaoxing Liu M 4:00pm - 6:45pm	Seats (Total: 50) PLS 1140
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS6	Zoltan Safar M 9:00am - 11:45am	Seats (Total: 50) TWS 1107
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

MSQC Quantum Computing Fall 2025

MSQC601 **Mathematics and Methods of Quantum Computing**

Credits: 3 Grading Method: Regular, Audit

This course will provide the student with the necessary mathematical tools and background knowledge to understand, model, and conceptualize quantum computing and its building blocks and systems. We shall review concepts of computation and how they translate to the microscopic world.

PCS1	Stefan Doboszczak	Seats (Total: 30)
	W 6:00pm - 8:45pm	CHE 2118
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

MSQC602 **Physics of Quantum Devices**

Credits: 3 Grading Method: Regular, Audit

An introduction to quantum physics with emphasis on topics at the frontiers of research, and developing understanding through exercises.This course aims to build a bridge between natural principles such as light and atoms and a variety of modern applications. This course will provide the student with the necessary physical intuition and background information on quantum physics so that to be able to understand and appreciate a variety of applications in quantum computing such as quantum currency, encryption, random number generation

PCS1	Anil Zenginoglu	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	CSI 3118
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

MSQC603 **Principles of Machine Learning**

Credits: 3 Grading Method: Regular

Restriction: Must be in one of the following programs: (Data Science Post-Baccalaureate Certificate, Master of Professional Studies in Data Science and Analytics, or Master of Professional Studies in Machine Learning). Cross-listed with: DATA603, BIOI603, MSAI603, MSML603. Credit only granted for: BIOI603, DATA603, MSAI603, MSML603, MSQC603 or CMSC643. Formerly: CMSC643.

A broad introduction to machine learning and statistical pattern recognition. Topics include: Supervised learning: Bayes decision theory, discriminant functions, maximum likelihood estimation, nearest neighbor rule, linear discriminant analysis, support vector machines, neural networks, deep learning networks. Unsupervised learning: clustering, dimensionality reduction, PCA, auto-encoders. The course will also discuss recent applications of machine learning, such as computer vision, data mining, autonomous navigation, and speech recognition.

The lecture may be conducted online some weeks and in person other weeks. Please see ELMS for Class meeting details.

PCS1	Babak Azimi-Sadjadi	Seats (Total: 50)
	M 6:00pm - 8:45pm	CSI 2117
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

PCS2	Babak Azimi-Sadjadi Th 6:00pm - 8:45pm	Seats (Total: 50) MCB 1207
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS3	Alejandra Mercado F 9:00am - 11:45am	Seats (Total: 50) PLS 1140
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS4	Richard La Tu 3:30pm - 6:15pm	Seats (Total: 50) TWS 0310
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PCS5	Richard La Tu 7:00pm - 9:45pm	Seats (Total: 50) TWS 1100
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	
PWS1	Kemal Davaslioglu Th 6:00pm - 8:45pm	Seats (Total: 50) ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Course will be fully online.	

MSQC605 **Advanced Quantum Computing and Applications**

Credits: 3 Grading Method: Regular, Audit

When Richard Feynman first introduced the concept of quantum computers it was posed for the purpose of simulating nature. Today quantum simulation remains one of the likely first applications to benefit from quantum computers. This course introduces key concepts required for quantum simulation, and builds tools for performing quantum simulation using state-of-the-art architectures. We introduce classical schemes, like tensor networks, and machine learning approaches, that can be used for these simulations on CPU/GPU architecture. We survey current literature to review and implement methods of quantum simulation and use them to solve and study example problems.

PCS1	Erik Gustafson	Seats (Total: 30)
	W 6:00pm - 8:45pm Class time/details on ELMs	AJC 2119 ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section. Instructor will communicate via ELMS which lectures are virtual and which are in person.	

MSQC607 **Advanced Topics in Quantum Computing**

Credits: 3 Grading Method: Regular, Audit

This course will showcase a variety of topics from which students can select one, or come up with one of their own, and proceed to study it in depth. The students will make presentations of their findings to class by citing literature and code implementations where appropriate, and culminate with the writing of a scholarly paper on the topic chosen.

PWS1	Paul Lott	Seats (Total: 30)
	M 6:00pm - 8:45pm	ONLINE
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

MSQC615 **Quantum Thermodynamic**

Credits: 3 Grading Method: Regular, Audit

Quantum information theory synthesizes three major themes: quantum physics, computer science, and information theory. At the core of information theory lies the classical work of Claude E. Shannon, which we review in this course. We then introduce quantum information sources, quantum operations, and quantum tomography, and study three problems related to classical Shannon's theorems and subsequent extension to quantum computing. These involve compressing quantum information, transmitting both classical and quantum information through noisy quantum channels, and quantifying, characterizing, transforming, and utilizing quantum entanglement.

PCS1	Maicol Ochoa	Seats (Total: 30)
	Th 6:00pm - 8:45pm	CSI 3118
	Must be in Graduate Programs in Science Academy. Golden ID students are not eligible for this section.	

MUED Music Education Fall 2025

MUED155 **Fundamentals for the Classroom Teacher**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in one of the following programs (Early Childhood Education; Elementary Education) ; or must be a Pre-Elementary Education major; or must be a Pre-Early Childhood Education major.

The fundamentals of music theory and practice, related to the needs of the classroom and the kindergarten teacher.

0101	Allison Durbin	Seats (Total: 15)	
	MWF 11:00am - 11:50am	PAC 2170	

MUED186 **Pre-professional Experiences I**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Music Education program. Additional information: Fulfills the College of Arts and Humanities requirement for ARHU158.

An orientation into the role of the music teacher in the school and community. On-site school visits at elementary, middle and high school levels form the basis for discussion and exploration of all facets of the music education profession.

0101	Mike Hewitt	Seats (Total: 30)	
	M 10:00am - 10:50am	PAC 2164	
	F 9:00am - 10:50am	PAC 2201	Lab

MUED213 **String Technique and Pedagogy I**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Music Education program.

A study of violin, viola, cello and bass technique and pedagogy; beginning level. Emphasizes group process playing and teaching.

0101	Allison Durbin	Seats (Total: 25)	
	MWF 9:00am - 9:50am	PAC 1230	

MUED215 **Woodwind Technique and Pedagogy**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ARHU-School of Music department.

Playing experience on instruments of the woodwind family. Historical and acoustical background. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Stacia Pratt	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	PAC 2540

MUED320 **Teaching Secondary Instrumental Music I**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUED187. Restriction: Must be in Music Education program.

Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to extend secondary-level musical skill through planned instruction and development of teaching materials.

0101	Stephanie Prichard	Seats (Total: 12)
	TuTh 9:30am - 10:45am	PAC 1230

MUED333 **Classroom Vocal Pedagogy**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: MUED187 and MUED186. Restriction: Must be in Music Education program.

An introduction to the fundamentals of group vocal pedagogy for the choral and general classroom teacher, including the teaching of posture, breathing, resonance, registration, articulation and foreign language diction as appropriate to needs of the child or adolescent singer in K-12 classroom settings.

0101	Kenneth Elpus	Seats (Total: 10)
	W 4:00pm - 6:30pm	PAC 2130A

MUED420 **Teaching Secondary Instrumental Music II**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail General Education: DSSP

Prerequisite: MUED320 and MUED311. Restriction: Must be in Music Education program.

Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to develop and/or maintain an exemplary, curricular-oriented, research-based, comprehensive secondary instrumental program.

0101	Mike Hewitt	Seats (Total: 20)	
	Tu 9:00am - 11:00am Th 8:00am - 12:00pm	PAC 2540 Location: TBA	Lab

MUED422 **Teaching General Music II**

Credits: 4 Grading Method: Regular, Pass-Fail

Prerequisite: MUED322 and MUED333. Restriction: Must be in Music Education program. Credit only granted for: MUED422 or MUED471. Formerly: MUED471.

Designed as an advanced music methods course and field experience for students who are preparing for a career in general music. The field experience is a practicum that is co-supervised by the university instructor and a general music educator.

0101	Robin Giebelhausen	Seats (Total: 15)	
	Tu 10:00am - 12:00pm Th 8:00am - 12:00pm	PAC 2170 Location: TBA	Lab

MUED474 **Field Experiences: Pre-Student Teaching**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: MUED420 and MUED411; or (MUED433 and MUED422). Restriction: Permission of ARHU-School of Music department; and senior standing.

Field experiences to fulfill teaching requirements in K-12 music teacher education program.

0101	Samuel Gray	Seats (Total: 15)
	F 8:00am - 8:50am Contact instructor or department for details.	PAC 2130A

MUED484 **Student Teaching in Elementary School: Music**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail

Corequisite: MUED494. Restriction: Permission of ARHU-School of Music department; and must be in Music Education program.

Fulfills elementary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Lauren McGinley, Elizabeth Weikle	Seats (Total: 15)
	Th 5:00pm - 6:30pm Contact instructor or department for details.	PAC 2130A

MUED494 **Student Teaching in Secondary School: Music**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail

Corequisite: MUED484. Restriction: Permission of ARHU-School of Music department; and must be in Music Education program.

Fulfill secondary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

Students must pay a $750.00 student teaching fee.

0101	Lauren McGinley, Elizabeth Weikle	Seats (Total: 15)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

MUED669 **Domain Project in Music Education I**

(Perm req)

Credits: 3 Grading Method: Regular

Application of musicological and/or ethnomusicological concepts within the context of PreK-12 music teaching and learning. Synthesis of knowledge and skills related to musicology, musicology, and/or ethnomusicology pedagogy, curriculum development, and social sciences research through the development and execution of a classroom-based domain project.

0101	Stephanie Prichard	Seats (Total: 5)
	Contact instructor or department for details.	

MUED679 **Domain Project in Music Education II**

(Perm req)

Credits: 3 Grading Method: Regular

Application of concepts from music theory within the context of PreK-12 music teaching and learning. Synthesis of knowledge and skills related to music theory pedagogy, curriculum development, and social sciences research through the development and execution of a classroom-based domain project.

0101	Stephanie Prichard	Seats (Total: 5)
	Contact instructor or department for details.	

MUED689 **Domain Project in Music Education III**

(Perm req)

Credits: 3-6 Grading Method: Regular

Application of concepts from music performance pedagogy within the context of PreK-12 music teaching and learning. Synthesis of knowledge and skills related to music performance pedagogy, curriculum development, and social sciences research through the development and execution of a classroom-based domain project.

0101	Stephanie Prichard	Seats (Total: 5)
	Contact instructor or department for details.	

MUED690 **Research Methods in Music and Music Education**

Credits: 3 Grading Method: Regular, Audit

The application of methods of research to problems in the fields of music and music education. The preparation of bibliographies and the written exposition of research projects in the area of the student's major interest.

0101	Kenneth Elpus	Seats (Total: 10)
	M 5:00pm - 7:30pm	PAC 2130A

MUED692 **Foundations and Perspectives of Music Education**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ARHU-School of Music department.

An introduction to historical, sociological, and philosophical perspectives of music education.

0101	Robin Giebelhausen	Seats (Total: 15)
	Tu 5:00pm - 7:30pm	PAC 2130A

MUED698Q **Current Trends in Music Education; Qualitative and Mixed Methods Research in Music Education**

Credits: 1-3 Grading Method: Regular, Audit

A survey of current and emerging philosophies, methodologies and curricula in music education and their implementation. The influence of educational and social changes and the expanding musical scene upon the music programs for children of all ages and for teacher education.

0101	Stephanie Prichard	Seats (Total: 6)
	Tu 12:00pm - 2:30pm	PAC 2130A

MUED698V **Current Trends in Music Education; Vocal Pedagogy for the Choral Conductor**

(Perm req)

Credits: 3 Grading Method: Regular

A survey of current and emerging philosophies, methodologies and curricula in music education and their implementation. The influence of educational and social changes and the expanding musical scene upon the music programs for children of all ages and for teacher education.

0101	Kenneth Elpus	Seats (Total: 5)
	W 4:00pm - 6:30pm	Location: TBA

MUED729 **Doctoral Colloquium in Music Education**

(Perm req)

Credits: 1 Grading Method: Sat-Fail, Audit

For students in PhD Progam in Music Education. Meets approximately 4-5 times per semester to read and discuss current work in the field, interact with visiting speakers, share work in progress, learn new tools and methods, and hear research presentations from one another

0101	Stephanie Prichard	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC School of Music Fall 2025

MUSC001 **MUSP Course Evaluation**

(Perm req) Credits: 0 Grading Method:

Contact department for information to register for this course.

MUSC099 Performance Attendance

(Perm req) Credits: 0 Grading Method: Sat-Fail

Performance attendance laboratory for undergraduate music majors.

0101	Matilda Smolij Contact instructor or department for details.	Seats (Total: 200)

MUSC102 Class Piano

(Perm req) Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Functional piano training for beginners. Development of techniques for school and community playing. Basic piano techniques; chord, arpeggio and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition and playing by ear.

For MUSC majors only.

0101	Jared Yoakem MWF 8:00am - 8:50am	Seats (Total: 14) PAC 1123
0201	Benjamin Daly MWF 3:00pm - 3:50pm	Seats (Total: 14) PAC 1123
0301	Mingyue Li TuTh 9:30am - 10:45am	Seats (Total: 12) PAC 1123
0401	Athanasios Ramadanidis TuTh 2:00pm - 3:15pm	Seats (Total: 14) PAC 1123

MUSC102B Class Piano

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Functional piano training for beginners. Development of techniques for school and community playing. Basic piano techniques; chord, arpeggio and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition and playing by ear.

0101	Athanasios Ramadanidis TuTh 11:00am - 12:15pm	Seats (Total: 14) PAC 1123

MUSC106 Beginning Classical Guitar

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Introduction to classical guitar notation, technique, literature and performance. No previous musical experience required.

For students with no previous musical experience.

0101	Gerard Kunkel MW 11:00am - 11:50am	Seats (Total: 12) PAC 1230

MUSC123 **Movement for Singers**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARHU-School of Music department.

Systematic exercises, improvisations and dances in conjunction with artistic vocal expression. Performance and critique of stage deportment, gestures and recital techniques.

0101	Allison Brault Tu 6:15pm - 7:45pm	Seats (Total: 15) TWS 1121

MUSC127 **Vocal Diction: Italian**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARHU-School of Music department. Restriction: Must be in a major within the ARHU-School of Music department.

Augmentation of private voice study. Phonetics and diction for singers of Italian vocal literature.

0101	Diba Alvi TuTh 2:00pm - 2:50pm	Seats (Total: 15) PAC 3164

MUSC128 **Sight Reading For Pianists**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

A course to give the piano major an opportunity to develop proficiency in sight reading at the keyboard.

0101	Benjamin Daly MW 10:00am - 10:50am	Seats (Total: 5) PAC 1123

MUSC129A **Ensemble; Chamber Music - Strings**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

For MUSC majors only.

0101	Eric Kutz **Meets September 9, 2025 - December 8, 2025** TuTh 11:00am - 12:15pm	Seats (Total: 45) PAC 2201	 Lab

MUSC129B **Ensemble; Chamber Woodwinds**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

For MUSC majors only.

0101	Joseph Grimmer **Meets September 9, 2025 - December 8, 2025** TuTh 11:00am - 12:15pm	Seats (Total: 40) PAC 2201	 Lab

MUSC129C **Ensemble; Chamber Music - Brasses**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

For MUSC majors only.

0101	Myles Blakemore **Meets September 9, 2025 - December 8, 2025** TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 2201	 Lab

MUSC129D **Ensemble; Steelband**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Josanne Francis	Seats (Total: 18)	
	Tu 5:30pm - 7:00pm	PAC 2170	

MUSC129E **Ensemble; Advanced Steelband**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Josanne Francis	Seats (Total: 18)	
	Tu 7:00pm - 8:30pm	PAC 2170	

MUSC129F **Ensemble; Brass Ensemble**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Willie Clark	Seats (Total: 45)	
	M 7:00pm - 8:30pm	PAC 2201	

MUSC129G **Ensemble; Balinese Gamelan**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	I Suadin	Seats (Total: 20)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC129K **Ensemble; Japanese Koto**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Yuriko Gandolfo	Seats (Total: 7)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC129L **Ensemble; Advanced Japanese Koto**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Yuriko Gandolfo	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC129P **Ensemble; Percussion**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Jonathan Bisesi	Seats (Total: 15)	
	M 5:00pm - 7:00pm	PAC 2540	Lab
	W 5:00pm - 6:30pm	PAC 2540	Lab

MUSC129Q **Ensemble; Korean Percussion Ensemble**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Sebastian Wang	Seats (Total: 8)	
	W 7:00pm - 8:30pm	PAC 2170	

MUSC140 **Music Fundamentals I**

Credits: 3 Grading Method: Regular, Audit CORE: HA General Education: DSSP

Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education).

Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.

0101	Michael Sauer	Seats (Total: 18)	
	MW 11:00am - 11:50am	PAC 2168	
	F 11:00am - 11:50am	PAC 1108	Discussion
0201	Nicholas Cameron	Seats (Total: 18)	
	MW 12:00pm - 12:50pm	PAC 2168	
	F 12:00pm - 12:50pm	PAC 1108	Discussion

FC01	Johannes Visser Tu 3:00pm - 4:15pm Th 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 17) PAC 3160 PAC 1108	 Discussion

MUSC150 **Theory of Music I**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Departmental audition and entrance examination. Restriction: Must be in one of the following programs (Music (Liberal Arts Program); Music (Jazz Performance Option); Music (Winds & Percussions Performance Option); Music (Voice Performance Option); Music Composition; Music (Professional Program); Music (Piano Performance Option); Music Performance-Winds and Percussion; Music Theory and Composition; Music Performance-Piano; Music Performance-Jazz Studies; Music Performance-Voice; Music Performance-Strings; Music (Strings Performance Option)).

A study of basic concepts and skills in tonal melody and harmony through analysis and composition.

0101	Richard Layton MWF 8:00am - 8:50am TuTh 8:25am - 9:15am	Seats (Total: 6) PAC 2160 PAC 3168	 Lab
0102	Richard Layton MWF 8:00am - 8:50am TuTh 9:30am - 10:20am	Seats (Total: 6) PAC 2160 PAC 3168	 Lab
0201	Richard Layton MWF 9:00am - 9:50am TuTh 8:25am - 9:15am	Seats (Total: 6) PAC 2160 PAC 2164	 Lab
0202	Richard Layton MWF 9:00am - 9:50am TuTh 9:30am - 10:20am	Seats (Total: 6) PAC 2160 PAC 2164	 Lab
0301	Gretchen Horlacher MWF 10:00am - 10:50am TuTh 8:25am - 9:15am	Seats (Total: 6) PAC 2160 PAC 2168	 Lab
0302	Gretchen Horlacher MWF 10:00am - 10:50am TuTh 9:30am - 10:20am	Seats (Total: 6) PAC 2160 PAC 2168	 Lab

MUSC202 **Intermediate Class Piano I**

(Perm req) Credits: 2 Grading Method: Regular

Prerequisite: MUSC103; or must have equivalent piano training.

Advanced keyboard techniques. Continuation of skills introduced in MUSC103. Transposition, modulation and sight reading; methods of teaching functional piano.

Only for voice and instrumental principals with limited piano experience.

0101	Jared Yoakem MWF 9:00am - 9:50am	Seats (Total: 15) PAC 1123	

MUSC204 Popular Music in Black America

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, DVUP

Traces black popular music in the U.S. with a special focus on spirituals, ragtime, the blues, early jazz, R&B, Motown, funk, soul, and rap. Examines how these styles have been borrowed by the American music industry.

0101	Brendan Kibbee MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 15) ARC 0204 PAC 3168	Discussion
0102	Brendan Kibbee MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 15) ARC 0204 PAC 3168	Discussion
0103	Brendan Kibbee MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 15) ARC 0204 PAC 3168	Discussion
0104	Brendan Kibbee MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 15) ARC 0204 PAC 3160	Discussion
0105	Brendan Kibbee MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 15) ARC 0204 PAC 3160	Discussion
0106	Brendan Kibbee MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 15) ARC 0204 PAC 3160	Discussion

0107	Brendan Kibbee MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 15) ARC 0204 PAC 1809	Discussion
0108	Brendan Kibbee MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 15) ARC 0204 PAC 1809	Discussion
0109	Brendan Kibbee MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 15) ARC 0204 PAC 1809	Discussion

MUSC205 **History of Popular Music, 1950-Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU, DVUP

A historical survey of rock music (blues, rock, soul, metal, rap, etc.) from circa 1950 to the present, with emphasis on popular music as music and popular music as social history.

0101	Kelsey Klotz MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 16) KEY 0106 PAC 2164	Discussion
0102	Kelsey Klotz MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 16) KEY 0106 PAC 2164	Discussion
0103	Kelsey Klotz MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 16) KEY 0106 PAC 2164	Discussion
0104	Kelsey Klotz MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 16) KEY 0106 PAC 2168	Discussion
0105	Kelsey Klotz MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 16) KEY 0106 PAC 2168	Discussion
0106	Kelsey Klotz MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 16) KEY 0106 PAC 2168	Discussion

0107	Kelsey Klotz MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 16) KEY 0106 PAC 2200	Discussion
0108	Kelsey Klotz MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 16) KEY 0106 PAC 2200	Discussion
0109	Kelsey Klotz MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 16) KEY 0106 PAC 2200	Discussion
0110	Kelsey Klotz MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 16) KEY 0106 PAC 3164	Discussion
0111	Kelsey Klotz MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 16) KEY 0106 PAC 3164	Discussion
0112	Kelsey Klotz MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 16) KEY 0106 PAC 3164	Discussion
FC01	Richard King MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 37) SQH 1101	

MUSC210 **The Impact of Music on Life**

Credits: 3 Grading Method: Regular CORE: HA, D General Education: DSHU, DVUP

Credit only granted for: MUET210 or MUSC210. Formerly: MUET210.

Music as a part of culture. Materials drawn from traditions throughout the globe to illustrate issues of historical and contemporary significance, including the impact of race, class and gender on the study of music.

0101	Nicole Steinberg MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 16) KEY 0106 PAC 1815	Discussion

0102	Nicole Steinberg MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 16) KEY 0106 PAC 1815	Discussion
0103	Nicole Steinberg MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 16) KEY 0106 PAC 1815	Discussion
0104	Nicole Steinberg MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 16) KEY 0106 PAC 1815	Discussion
0105	Nicole Steinberg MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 16) KEY 0106 PAC 1815	Discussion
0106	Nicole Steinberg MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 16) KEY 0106 PAC 1815	Discussion
0107	Nicole Steinberg MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 16) KEY 0106 PAC 2168	Discussion
0108	Nicole Steinberg MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 16) KEY 0106 PAC 2168	Discussion
0109	Nicole Steinberg MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 16) KEY 0106 PAC 2168	Discussion
0110	Nicole Steinberg MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 16) KEY 0106 PAC 3168	Discussion
0111	Nicole Steinberg MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 16) KEY 0106 PAC 3168	Discussion

0112	Nicole Steinberg MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 16) KEY 0106 PAC 3168	Discussion

MUSC215 **World Popular Musics and Identity**

Credits: 3 | Grading Method: Regular, Audit | CORE: HA, D | General Education: DSHU, DVUP

Explore some of the most popular music genres in the world in order to learn about the roles that socially-constructed identities play in the promotion, presentation and interpretation of different types of popular music. Through historical context and performance analysis, this course invites students to consider how identities such as race, gender, sexuality, class, culture, religion, region and nation shape the development of genres and the functions they serve beyond mere entertainment.

0101	Laura Schnitker MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 17) BPS 1250 PLS 1113	Discussion
0102	Laura Schnitker MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 17) BPS 1250 PLS 1113	Discussion
0103	Laura Schnitker MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 17) BPS 1250 PLS 1111	Discussion
0104	Laura Schnitker MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 17) BPS 1250 PAC 1809	Discussion
0105	Laura Schnitker MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 17) BPS 1250 PAC 1809	Discussion
0106	Laura Schnitker MW 12:00pm - 12:50pm F 3:00pm - 3:50pm	Seats (Total: 17) BPS 1250 PAC 1809	Discussion
0107	Laura Schnitker MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 17) BPS 1250 ATL 1434	Discussion

0108	Laura Schnitker MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 17) BPS 1250 ATL 1434	 Discussion
0109	Laura Schnitker MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 17) BPS 1250 ATL 1434	 Discussion

MUSC227 **Vocal Diction: German**

(Perm req)

Credits: 1 Grading Method: Regular

Prerequisite: Permission of ARHU-School of Music department. Restriction: Must be in a major within ARHU-School of Music department.

Augmentation of private study. Phonetics and diction for singers of German vocal literature.

0101	Henrique Carvalho TuTh 11:00am - 11:50am	Seats (Total: 15) PAC 3164

MUSC229A **Ensemble; Symphony Orchestra**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	David Neely TuTh 3:30pm - 6:30pm	Seats (Total: 70) PAC 1230	 Lab
FC01	David Neely TuTh 3:30pm - 6:30pm *Restricted to students in Freshmen Connection.*	Seats (Total: 1) PAC 1230	 Lab

MUSC229D **Ensemble; Wind Orchestra**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Open by audition, contact instructor to make arrangements.

0101	Michael Votta TuTh 3:30pm - 6:30pm	Seats (Total: 75) PAC 2540	 Lab

MUSC229E Ensemble; Wind Ensemble

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Open by audition, contact instructor to make arrangements.

0101	Andrea Brown MWF 11:00am - 12:45pm	Seats (Total: 75) PAC 2540	 Lab
FC01	Andrea Brown MWF 11:00am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 5) PAC 2540	 Lab

MUSC229F Ensemble; Marching Band

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Open by audition.

0101	Craig Potter, Jeremy Maytum, Andrea Brown MWF 3:00pm - 5:00pm	Seats (Total: 300) PAC 2540	 Lab
FC01	Jeremy Maytum, Andrea Brown, Craig Potter MWF 3:00pm - 5:00pm *Restricted to students in Freshmen Connection.*	Seats (Total: 10) PAC 2540	 Lab

MUSC229G Ensemble; Marching Band: Woodwinds and Brass

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Corequisite: MUSC 229F.

0101	Craig Potter, Jeremy Maytum, Andrea Brown Tu 6:30pm - 8:30pm	Seats (Total: 300) PAC 2540	 Lab
FC01	Jeremy Maytum, Andrea Brown, Craig Potter Tu 6:30pm - 8:30pm *Restricted to students in Freshmen Connection.*	Seats (Total: 10) PAC 2540	 Lab

MUSC229I **Ensemble; Marching Band: Drumline and Auxiliary**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Corequisite: MUSC 229F.

0101	Jeremy Maytum, Andrea Brown, Craig Potter Tu 6:30pm - 8:30pm Th 6:30pm - 8:30pm	Seats (Total: 75) PAC 2540 PAC 2540	 Lab Lab
FC01	Craig Potter, Andrea Brown, Jeremy Maytum Tu 6:30pm - 8:30pm Th 6:30pm - 8:30pm *Restricted to students in Freshmen Connection.*	Seats (Total: 10) PAC 2540 PAC 2540	 Lab Lab

MUSC229J **Ensemble; Jazz Ensemble**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Mark Williams MW 6:00pm - 7:45pm	Seats (Total: 25) PAC 1230	 Lab
0201	Tim Powell MW 1:00pm - 2:20pm	Seats (Total: 30) PAC 1230	 Lab

0301	Bryan Mills	Seats (Total: 30)	
	M 8:00pm - 10:00pm	PAC 1230	Lab
FC01	Tim Powell	Seats (Total: 3)	
	MW 1:00pm - 2:20pm	PAC 1230	Lab
	Restricted to students in Freshmen Connection.		

MUSC229K **Ensemble; Marching Band Dance Team**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Ann Kennedy	Seats (Total: 35)	
	Su 7:00pm - 9:30pm	Location: TBA	Lab
	TuTh 6:30pm - 9:00pm	Location: TBA	Lab
FC01	Craig Potter, Ann Kennedy, Andrea Brown	Seats (Total: 10)	
	Su 7:00pm - 9:30pm	Location: TBA	Lab
	TuTh 6:30pm - 9:00pm	Location: TBA	Lab
	Restricted to students in Freshmen Connection.		

MUSC229P **Ensemble; Pep Band**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Andrea Brown, Craig Potter	Seats (Total: 120)	
	M 7:00pm - 9:00pm	PAC 2540	Lab
FC01	Andrea Brown, Craig Potter	Seats (Total: 60)	
	M 7:00pm - 9:00pm	PAC 2540	Lab
	Restricted to students in Freshmen Connection.		

MUSC229R **Ensemble; University Orchestra**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Alexander Kandybin MW 3:00pm - 5:00pm	Seats (Total: 55) PAC 1230	 Lab
FC01	Alexander Kandybin MW 3:00pm - 5:00pm *Restricted to students in Freshmen Connection.*	Seats (Total: 10) Location: TBA	 Lab

MUSC229U **Ensemble; University Band**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Open by audition, contact instructor to make arrangements.

0101	Craig Potter W 6:30pm - 8:30pm	Seats (Total: 100) PAC 2540	 Lab
FC01	Craig Potter W 6:30pm - 8:30pm *Restricted to students in Freshmen Connection.*	Seats (Total: 10) PAC 2540	 Lab

MUSC229Z **Ensemble; Jazz Combo**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Gerard Kunkel Contact instructor or department for details.	Seats (Total: 10)	
0201	Thomas Baldwin Tu 5:00pm - 6:30pm	Seats (Total: 10) Location: TBA	 Lab
0301	Mark Williams Contact instructor or department for details.	Seats (Total: 10)	

0401	Leigh Pilzer Contact instructor or department for details.	Seats (Total: 10)	
0501	Deante Haggerty-Willis Contact instructor or department for details.	Seats (Total: 10)	

MUSC240 **Elements of Music Composition for Non-Majors**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSC 140, or by permission of instructor. Recommended: Ability to read music on a grand staff (treble and bass clef). Restriction: Must not be in any of the following programs: (Music (Professional Program); Music Education). Credit only granted for: MUSC240 or HONR218M. Formerly: HONR218M.

Emphasizes learning concepts and techniques of music composition through the study of music theory and structure used in both classical and popular music forms. Students will compose music using computer assisted and composition tools. These tools include cloud based digital audio workstations and music notation programs. Compositions will be written in these musical styles but not limited to classical, jazz, and popular. Students will also explore methods of sharing their compositions on various digital platforms.

0101	William Evans Tu 2:00pm - 4:30pm	Seats (Total: 18) PAC 1108	

MUSC250 **Advanced Theory of Music I**

(Perm req)

Credits: 4 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in MUSC151.

A continuation of MUSC 151, with further study of chromatic and modulatory techniques of the nineteenth century. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Anna Nelson TuTh 8:00am - 9:15am MW 8:00am - 8:50am	Seats (Total: 8) PAC 2160 PAC 2164	 Lab
0102	Anna Nelson TuTh 8:00am - 9:15am MW 9:00am - 9:50am	Seats (Total: 8) PAC 2160 PAC 2164	 Lab
0201	Anna Nelson TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 8) PAC 2160 PAC 3164	 Lab

0202	Anna Nelson TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 8) PAC 2160 PAC 3164	 Lab
0301	Johannes Visser TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 8) PAC 3160 PAC 3168	 Lab
0302	Johannes Visser TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 8) PAC 3160 PAC 3168	 Lab

MUSC260 **Music as Global Culture**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP

Prerequisite: MUSC151. Restriction: Must be in a major within the ARHU-School of Music department. Credit only granted for: MUSC220 or MUSC260.

Explores how and why people create, transform, and move music around the globe. Taking a comparative approach to Western art musics and other musics of the world, course will examine a variety of musical practices in their social, political, and economic contexts. Experiential knowledge will be developed through hands-on ethnographic research.

0101	Brendan Kibbee MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 16) PAC 2200 PAC 2160	 Discussion
0102	Brendan Kibbee MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 16) PAC 2200 PAC 2160	 Discussion
0103	Brendan Kibbee MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 16) PAC 2200 PAC 2160	 Discussion
0104	Brendan Kibbee MW 2:00pm - 2:50pm F 3:00pm - 3:50pm	Seats (Total: 16) PAC 2200 PAC 2160	 Discussion

MUSC269R **Special Topics in Study Abroad II; From Elvis to Rap: 50 Years of History As Seen Through Rock Music**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

MUSC328 **Introduction to Chamber Music for Pianists**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

A course to introduce the piano major to chamber music at a moderately difficult level. Class instruction will center on actual rehearsal and coaching geared toward performance, and will be supplemented by further experience in applied instrumental studios.

0101	Alexei Ulitin	Seats (Total: 10)	
	W 4:00pm - 6:00pm	PAC 2126	

MUSC329A **Ensemble; University of Maryland Chorale**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Audition required before permission of department will be granted, contact instructor to make arrangements. Monthly evening rehearsals will be scheduled as announced.

0101	Jason Ferdinand	Seats (Total: 75)	
	TuTh 4:30pm - 6:00pm	PAC 2201	Lab
FC01	Jason Ferdinand	Seats (Total: 10)	
	TuTh 4:30pm - 6:00pm	PAC 2201	Lab
	Restricted to students in Freshmen Connection.		

MUSC329B **Ensemble; Chamber Singers**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Audition required before permission of department will be granted, contact instructor to make arrangements. Monthly evening rehearsals will be scheduled as announced.

0101	Jason Ferdinand	Seats (Total: 50)	
	MW 3:00pm - 3:50pm	PAC 2201	Lab
	TuTh 3:30pm - 4:20pm	PAC 2201	Lab

MUSC329E **Ensemble; Gospel Choir**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Anne Carswell	Seats (Total: 60)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC329M **Ensemble; Ensemble: Tactus (Tenor & Bass Choir)**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Monthly evening rehearsals will be scheduled as announced.

0101	Jason Ferdinand	Seats (Total: 40)	
	MWF 12:00pm - 12:50pm	PAC 1230	Lab
	Sharing with Craig Arnold's approval even though there are two different instructors.		
FC01	Jason Ferdinand	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 1230	Lab
	Restricted to students in Freshmen Connection.		

MUSC329O **Ensemble; Opera Chorus**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

0101	Jason Ferdinand	Seats (Total: 30)	
	F 3:30pm - 5:30pm	PAC 2170	Lab

MUSC329W **Ensemble; Treble Choir**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small ensembles of instruments, piano, or small vocal groups. After two registrations in MUSC129, the student will elect MUSC229 for two additional semesters and MUSC329 thereafter.

Monthly evening rehearsals will be scheduled as announced.

0101	Kenneth Elpus MWF 12:00pm - 12:50pm	Seats (Total: 60) PAC 2201	Lab
FC01	Kenneth Elpus MWF 12:00pm - 12:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 10) PAC 2201	Lab

MUSC361 **Music in Western Culture After 1900**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSC360. Restriction: Must be in a major within the ARHU-School of Music department. Credit only granted for: MUSC330 or MUSC361.

Continuation of MUSC360. A historical study of Western classical music, popular music, and jazz since 1900.

0101	Nicole Steinberg MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 16) PAC 2201 PAC 3160	Discussion
0102	Nicole Steinberg MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 16) PAC 2201 PAC 3160	Discussion
0103	Nicole Steinberg MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 16) PAC 2201 PAC 3160	Discussion
0104	Nicole Steinberg MW 2:00pm - 2:50pm F 3:00pm - 3:50pm	Seats (Total: 16) PAC 2201 PAC 3160	Discussion

MUSC369M **Special Topics in Study Abroad III; Masterpieces of Italian Opera**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

MUSC379 **Opera Workshop**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail

Open to music and non-music majors (by audition). Operatic production and performance, performance techniques and coaching, stage direction, set design, costume design and make-up. Repertory will include smaller operatic works, excerpts or scenes.

0101	Corinne Hayes, Mai-Linh Pham	Seats (Total: 15)	
	MW 4:00pm - 6:00pm	PAC 2170	Lab

MUSC386 **Experiential Learning**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-School of Music department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

MUSC388 **Music Internship**

(Perm req)

Credits: 3 Grading Method: Regular

Pre-professional field work in music.

Contact department for information to register for this course.

MUSC389 **Music Internship Analysis**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Documentation and evaluation of field work experience.

Contact department for information to register for this course.

MUSC428 **Repertoire Coaching of Vocal or Chamber Music**

(Perm req)

Credits: 2 Grading Method: Regular

A course for piano students who wish to go further than the work offered in MUSC128, MUSC228 and MUSC328 by becoming specialists in the areas of vocal coaching or chamber music coaching. Elements of pedagogy, conducting and responsible artistic decision-making for the entire musical production.

0101	Futaba Niekawa	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC438L **Area Studies in Ethnomusicology; Music of Latino/a Communities in the US**

(Perm req)

Credits: 3 Grading Method: Regular

Advanced study of musics in selected parts of the world.

0101	Fernando Rios	Seats (Total: 20)
	MW 9:00am - 10:15am	PAC 2168

MUSC438R **Area Studies in Ethnomusicology; Race, Ethnicity, and Romani Musics**

(Perm req) Credits: 3 Grading Method: Regular

Advanced study of musics in selected parts of the world.

0101	Siv Lie	Seats (Total: 20)
	MW 2:00pm - 3:15pm	PAC 2168

MUSC443 Solo Vocal Literature

(Perm req) Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSC330 and MUSC331; or students who have taken courses with comparable content may contact the department.

The study of solo vocal literature from the Baroque Cantata to the Art Song of the present. The Lied, Melodie, vocal chamber music and the orchestral song are examined.

0101	Laura Curl, Elizabeth Stovall	Seats (Total: 10)
	TuTh 9:30am - 10:45am	PAC 2201

MUSC444 Wind and Percussion Literature

(Perm req) Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARHU-School of Music department. Corequisite: MUSP420 or MUSP419.

Recital program notes and written projects in wind or percussion literature.

Contact department for information to register for this course.

MUSC446 String Literature

(Perm req) Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSP316; and permission of ARHU-School of Music department.

Recital program notes and written projects in string literature.

Contact department for information to register for this course.

MUSC448 Selected Topics in Music

(Perm req) Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

MUSC448B Selected Topics in Music; Analysis of Popular Music

(Perm req) Credits: 3 Grading Method: Regular

Cross-listed with MUSC699B. Credit only granted for MUSC448B or MUSC699B.

0101	Daniel Zimmerman W 4:30pm - 7:00pm	Seats (Total: 12) PAC 3164

MUSC448E **Arts Entrepreneurship and the Creative Profession**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Recommended: ARHU240. Cross-listed with: ARHU340. Credit only granted for: ARHU340 or MUSC448E.

Introduces students to arts entrepreneurship in preparation for diverse and ever-changing careers in the creative fields. Students will practice and develop their entrepreneurial mindsets and learn about different frameworks for audience engagement. Topics include financial management, revenue development, business planning, and the "need-to-knows" of the gig economy. Throughout the semester, students will have the opportunity to learn from a variety of entrepreneurs in the arts and to evaluate their future career paths.

0101	Elizabeth Schurgin TuTh 9:30am - 10:45am *Reserved for Arts Leadership Minors; please contact ARHU-School of Theatre, Dance, and Performance Studies for permission to register.*	Seats (Total: 13) PAC 1809
0102	Elizabeth Schurgin TuTh 9:30am - 10:45am	Seats (Total: 13) PAC 1809

MUSC448G **Selected Topics in Music; History of Mass, from Machaut to the Present**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

0101	Barbara Haggh-Huglo TuTh 9:30am - 10:45am	Seats (Total: 12) PAC 3110A

MUSC448T **Selected Topics in Music; Environmental Storytelling Through Music and Technology**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

0101	Clarice Assad TuTh 2:00pm - 3:15pm	Seats (Total: 12) PAC 2201

MUSC448W **Selected Topics in Music; Instrumental Pedagogy**

(Perm req)

Credits: 1 | Grading Method: Regular, Audit

Contact department for information to register for this course.

MUSC450 **Musical Form**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSC251.

A study of the principles of organization in music with emphasis on eighteenth and nineteenth century European music. Reading and analysis of scores exemplifying the musical forms.

0101	Daniel Zimmerman	Seats (Total: 18)
	TuTh 2:00pm - 3:15pm	PAC 2164

MUSC451 **Analysis of Music**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSC450; or permission of instructor.

A course in the analysis of music. Discussion of individual works, with emphasis on their unique characteristics and on the relation of analysis to performance.

0101	Thomas DeLio	Seats (Total: 12)
	W 2:00pm - 4:30pm	PAC 2164

MUSC453 **Jazz Improvisation I**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSC251; or students who have taken courses with comparable content may contact the department. And permission of ARHU-School of Music department. Credit only granted for: MUSC345 or MUSC453. Formerly: MUSC345.

Jazz theory, notational conventions, improvisation techniques, reading and analysis of music, and performance in small combo format.

0101	Mark Williams	Seats (Total: 8)
	M 11:00am - 1:30pm Contact instructor or department for details.	PAC 1208

MUSC455 **Theory of Jazz**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSC250; or permission of ARHU-School of Music department. Restriction: Must be in a major within ARHU-School of Music department.

Analysis of jazz harmony, with emphasis on principles of substitution, reharmonization, and syntax. Topics may also include chord/scale relationships, phrasing and articulation, notation, and introductory arranging concepts such as orchestration and form.

0101	Leigh Pilzer MW 3:00pm - 4:15pm	Seats (Total: 12) PAC 3168

MUSC469F **Orchestral Excerpts for String Players; Bass**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

In-depth study of the orchestral excerpts required for professional orchestra auditions.

0101	Richard Barber W 4:30pm - 5:45pm	Seats (Total: 15) Location: TBA

MUSC469V **Orchestral Excerpts for String Players; Harp**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

In-depth study of the orchestral excerpts required for professional orchestra auditions.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

MUSC472 **Music Composition for Music Majors**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MUSC450 or equivalent; and permission of instructor. Restriction: Registration restricted to music majors who are not majoring in music composition (cannot be in Major code: 1004B). Credit only granted for: MUSC448O or MUSC472. Formerly: MUSC448O.

A course for music majors who wish to develop skills and creative abilities in music composition. Student writing projects will be discussed in class and models of compositional techniques will be studied in literature from diverse styles and style periods.

0101	Johannes Visser TuTh 11:00am - 12:15pm	Seats (Total: 12) PAC 1108

MUSC484 **Music in the Romantic Era**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Survey of western music from 1820 to 1900.

0101	Olga Haldey W 3:30pm - 6:00pm	Seats (Total: 20) PAC 3160

MUSC490 **Conducting**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: MUSC251.

Vocal and instrumental baton techniques.

0101	Andrea Brown MWF 9:00am - 9:50am	Seats (Total: 12) PAC 2540
0201	Jason Ferdinand MWF 1:00pm - 1:50pm	Seats (Total: 12) PAC 2201

MUSC492 **Keyboard Music I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARHU-School of Music department.

The history and literature of harpsichord and solo piano music from its beginning to the romantic period. Emphasis is placed on those segments of repertory which are encountered in performance and teaching situations at the present time.

0101	Simon Mulligan MW 11:00am - 12:15pm	Seats (Total: 15) PAC 3160

MUSC499 **Independent Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent research on a topic chosen in consultation with the instructor, which may culminate in a paper or appropriate project.

Contact department for information to register for this course.

MUSC550 **Theory of Music Graduate Review**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ARHU-School of Music department. Additional information: UMD 500-level courses do not count towards credit accumulation or GPA calculation for UMD degree granting and certificate programs at the graduate level.

Music theory review for graduate students:aural training, counterpoint, basic diatonic harmony, chromatic harmony, and analysis of complete works.

0101	Anna Nelson TuTh 2:00pm - 3:15pm	Seats (Total: 15) PAC 2160

MUSC601 **Advanced English Lyric Diction**

(Perm req)

Credits: 1

Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) . And permission of instructor; or admission to graduate voice program.

Concepts, strategies and techniques for singing operatic, oratorio and song literature in English: stress patterns, linkage, stressed and non stressed vowels, dipthongs, placement of consonants and vowels, and communication of text with emphasis on current performance practices. Use of the International Phonetic Alphabet (IPA) will be stressed.

0101	John Holiday	Seats (Total: 15)
	Tu 9:30am - 11:00am	PAC 1218

MUSC604 **Advanced French Lyric Diction**

(Perm req)

Credits: 1

Grading Method: Regular

Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) . And permission of instructor; or admission to graduate voice program.

Concepts, strategies and techniques for singing operatic and song literature in French: phoneticization, formation and singing of the vowel-sounds, semi-consonants, and consonants; the liaison; legato singing in French; the hiatus, mute and aspirate 'h'; stress and word rhythm. Use of the International Phonetic Alphabet (IPA) will be stressed.

0101	Natalie Conte	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 2164

MUSC605 **Opera Repertory I**

(Perm req)

Credits: 1

Grading Method: Regular

Prerequisite: MUSC602; or permission of instructor. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)).

Advanced vocal coaching of selections from the Italian, French, German, and English opera repertory: musical accuracy; language facility; diction clarity; and dramatic interpretation.

0101	Jason Baker	Seats (Total: 10)
	W 11:30am - 1:00pm	PAC 3168

MUSC608 **Chamber Music Repertory; Chamber Music Repertoire**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Prerequisite: graduate standing as a major in performance. A study, through performance, of diversified chamber music for standard media.

Contact department for information to register for this course.

MUSC609 **Piano Chamber Music Practicum and Analysis**

(Perm req)

Credits: 2 Grading Method: Regular

Study of repertoire written for piano in duos or with several instruments, to develop an accompanists advanced performance skills in listening, balance, nuance in dynamics, harmonic motion and phrasing.

0101	Futaba Niekawa Contact instructor or department for details.	Seats (Total: 10)	

MUSC611 **Opera Techniques I**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Corequisite: MUSC601. Restriction: Permission of director of opera; and must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)).

Techniques for opera performance: Improvisation; Acting I, Scene Study I; and Movement I. Practical application of styles and techniques to operatic repertoire.

0101	Jason Baker, Steven Bailey, Corinne Hayes TBA TBA	Seats (Total: 10) PAC 2170 PAC 1218	 Lab

MUSC613 **Opera Techniques III**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Prerequisite: Minimum grade of B- in MUSC612; and permission of Director of Opera required. Corequisite: MUSC603 and MUSC605. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)).

Continuation of MUSC 612. Techniques for opera performance: Scene Study III; Movement III; and Shakespeare.

0101	Steven Bailey, Corinne Hayes, Jason Baker TBA TBA	Seats (Total: 10) PAC 2170 PAC 1218	 Lab

MUSC629A **Ensemble; Symphony Orchestra**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	David Neely	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC629C **Ensemble; Wind Ensemble**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

0101	Andrea Brown	Seats (Total: 20)	
	MWF 11:00am - 12:30pm	PAC 2540	Lab

MUSC629D **Ensemble; Steel Band Ensemble**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

0101	Josanne Francis	Seats (Total: 18)
	Tu 5:30pm - 7:00pm	PAC 2170

MUSC629E **Ensemble; Advanced Steel Band Ensemble**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

0101	Josanne Francis	Seats (Total: 18)
	Tu 7:00pm - 8:30pm	PAC 2170

MUSC629F **Ensemble; Marching Band**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

0101	Andrea Brown	Seats (Total: 175)	
	MWF 3:00pm - 5:00pm	PAC 2540	Lab

MUSC629G **Ensemble; Balinese Gamelan**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

0101	I Suadin	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC629H **Ensemble; Harp**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 1) Location: TBA	Lab

MUSC629J **Ensemble; Jazz Ensemble**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Mark Williams MW 6:00pm - 7:45pm	Seats (Total: 20) PAC 1230	Lab
0201	Tim Powell MW 1:00pm - 2:20pm	Seats (Total: 10) PAC 1230	Lab
0301	Bryan Mills M 8:00pm - 10:00pm	Seats (Total: 10) PAC 1230	Lab

MUSC629K **Ensemble; Japanese Koto**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

0101	Yuriko Gandolfo Tu 5:30pm - 7:00pm	Seats (Total: 2) PAC 3160	Lab

MUSC629L **Ensemble; Advanced Japanese Koto**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

0101	Yuriko Gandolfo Tu 7:00pm - 8:30pm	Seats (Total: 4) PAC 3160	Lab

MUSC629P **Ensemble; Percussion Ensemble**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

0101	Jonathan Bisesi	Seats (Total: 5)		
	M 5:00pm - 7:00pm	PAC 2540	Lab	
	W 5:00pm - 6:30pm	PAC 2540	Lab	
0201	Jonathan Bisesi	Seats (Total: 5)		
	Contact instructor or department for details.			

MUSC629Q **Ensemble; Korean Percussion Ensemble**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

0101	Sebastian Wang	Seats (Total: 2)	
	W 7:00pm - 8:30pm	PAC 2170	

MUSC629R **Ensemble; Repertoire Orchestra**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	David Neely	Seats (Total: 10)	
	MW 3:00pm - 5:00pm	PAC 1230	Lab

MUSC629U **Ensemble; University Band**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

Open by audition, contact instructor to make arrangements.

0101	Craig Potter	Seats (Total: 10)	
	W 6:30pm - 8:30pm	PAC 2540	Lab

MUSC629W **Ensemble; Wind Orchestra**

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

Open by audition, contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 30)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC629Z **Ensemble; Jazz Combo**

(Perm req)

Credits: 1 Grading Method: Regular

Rehearsal and performance of selected works for small and large instrumental ensembles.

Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Gerard Kunkel Contact instructor or department for details.	Seats (Total: 10)	
0201	Thomas Baldwin Tu 5:00pm - 6:30pm	Seats (Total: 10) Location: TBA	Lab
0301	Mark Williams Contact instructor or department for details.	Seats (Total: 10)	
0401	Leigh Pilzer Contact instructor or department for details.	Seats (Total: 10)	
0501	Deante Haggerty-Willis Contact instructor or department for details.	Seats (Total: 10)	

MUSC646 **Introduction to Musicology**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Graduate student standing in in the School of Music. Credit only granted for: MUSC648 or MUSC646.

An introduction to the basics of musicological research, including sources, methodologies, and techniques, as well as the fundamentals of both academic and non-academic writing.

0101	Kelsey Klotz TuTh 11:00am - 12:15pm	Seats (Total: 10) PAC 3110A

MUSC648 **Seminar in Music Research; Seminar in Music Research**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

An introduction to graduate study in the history and literature of music. Bibliography and methodology of systematic and historical musicology.

0101	Lars Helgert Tu 7:00pm - 9:30pm	Seats (Total: 15) PAC 2515C
0201	Lars Helgert M 6:00pm - 8:30pm	Seats (Total: 15) PAC 2160

0301	Brendan Kibbee	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	PAC 2515C	

MUSC649A **Ensemble; University of Maryland Chorale**

(Perm req)

Credits: 1 Grading Method: Regular

Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Jason Ferdinand	Seats (Total: 10)	
	TuTh 4:30pm - 6:00pm	PAC 2201	Lab

MUSC649B **Ensemble; Chamber Singers**

(Perm req)

Credits: 1 Grading Method: Regular

Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Jason Ferdinand	Seats (Total: 10)	
	MW 3:00pm - 3:50pm	PAC 2201	Lab
	TuTh 3:30pm - 4:20pm	PAC 2201	Lab

MUSC649E **Ensemble; Ensemble: Gospel Choir**

Credits: 1 Grading Method: Regular

0101	Anne Carswell	Seats (Total: 10)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC649M **Ensemble; Ensemble: Tactus (Tenor & Bass Choir)**

Credits: 1 Grading Method: Regular

0101	Jason Ferdinand	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 1230	Lab

MUSC649O **Ensemble; Opera Chorus**

(Perm req)

Credits: 1 Grading Method: Regular

0101	Jason Ferdinand	Seats (Total: 15)	
	F 3:30pm - 5:30pm	PAC 2170	Lab

MUSC649W **Ensemble; Treble Choir**

Credits: 1 Grading Method: Regular

0101	Kenneth Elpus	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 2201	Lab

MUSC653 **Jazz Improvisation I**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC653 or MUSC699Z. Formerly: MUSC699Z.

Study of improvisational techniques and historical styles of jazz, including study of jazz "language" through transcription and analysis of recorded solos, and the exploration of creative processes and philosophical concepts.

0101	Mark Williams	Seats (Total: 8)
	M 11:00am - 1:30pm Contact instructor or department for details.	PAC 1208

MUSC655 **Theory of Jazz**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC655 ir MUSC699J. Formerly: MUSC699J.

Analysis of jazz harmony, with emphasis on principles of substitution, reharmonization, and syntax. Topics may also include chord/scale relationships, phrasing, articulation, notation and orchestration.

0101	Leigh Pilzer	Seats (Total: 12)
	MW 3:00pm - 4:15pm	PAC 3168

MUSC659A **Seminar in Repertoire and Pedagogy**

(Perm req)

Credits: 2-3 Grading Method: Regular

Analysis and preparation of choral master works from all major style periods for the purpose of successful rehearsal and performance by conductors.

0101	Jason Ferdinand	Seats (Total: 6)
	Contact instructor or department for details.	

MUSC659B **Seminar in Repertoire and Pedagogy; Orchestral Repertoire and Pedagogy**

(Perm req)

Credits: 2-3 Grading Method: Regular

Analysis and preparation of choral master works from all major style periods for the purpose of successful rehearsal and performance by conductors.

0101	David Neely	Seats (Total: 6)
	Contact instructor or department for details.	

MUSC659C **Seminar in Repertoire and Pedagogy; Wind Repertoire and Pedagogy**

(Perm req)

Credits: 2-3

Grading Method: Regular, Audit

Analysis and preparation of choral master works from all major style periods for the purpose of successful rehearsal and performance by conductors.

0101	Michael Votta	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC669F **Orchestral Excerpts for String Players; Bass**

(Perm req)

Credits: 1

Grading Method: Regular, Audit

In-depth study of the orchestral excerpts required for professional orchestra auditions.

0101	Richard Barber	Seats (Total: 15)
	W 4:30pm - 5:45pm	Location: TBA

MUSC669V **Orchestral Excerpts for String Players; Harp**

(Perm req)

Credits: 1

Grading Method: Regular, Audit

In-depth study of the orchestral excerpts required for professional orchestra auditions.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC670 **Interpreting Tonal Music: Analytical Tools, Techniques, and Perspectives**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: MUSC451 or equivalent; or permission of ARHU-School of Music.

Analytical tools, techniques, and perspectives for interpreting tonal music. Musical materials for analysis will predominantly be European music from about 1775 through 1900, supplemented with other tonal music genres, primarily those from the African American tradition.

0101	Gretchen Horlacher	Seats (Total: 12)
	MW 2:00pm - 3:15pm	PAC 2160

MUSC677 **Introduction to Ethnomusicology**

Credits: 3

Grading Method: Regular, Audit

Restriction: Permission of ARHU-School of Music department.

An introduction to the field of ethnomusicology: its origins as comparative musicology, its establishment as an autonomous discipline, and its contemporary trajectories.

0101	Fernando Rios W 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC679M **Seminar in Ethnomusicology; Music, Sound, and Memory**

(Perm req)

Credits: 3 Grading Method: Regular

Seminar topics address current issues, including gender, the social economy of music, ethnography of performance, etc.

0101	Siv Lie Tu 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC689 **Advanced Conducting**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

A concentrated study of the conducting techniques involved in the repertoire of all historical periods.

0101	Michael Votta M 1:00pm - 3:30pm	Seats (Total: 5) PAC 3164
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

MUSC699 **Selected Topics in Music**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

MUSC699B **Selected Topics in Music; Analysis of Popular Music**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Cross-listed with MUSC448B. Credit only granted for MUSC448B or MUSC699B.

0101	Daniel Zimmerman W 4:30pm - 7:00pm	Seats (Total: 12) PAC 3164

MUSC699D **Selected Topics in Music; Diction for Pianists**

(Perm req)

Credits: 2 Grading Method: Regular

0101	Mai-Linh Pham TBA	Seats (Total: 5) PAC 2168

MUSC699J **Selected Topics in Music; Readings in Music and Gender**

(Perm req)

Credits: 3 Grading Method: Regular

0101	Olga Haldey M 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC699M **Selected Topics in Music; History of Music Theory**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

0101	Barbara Haggh-Huglo Th 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC699W **Selected Topics in Music; Instrumental Pedagogy**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

MUSC757 **Aural Skills for Conductors**

(Perm req)

Credits: 1 Grading Method: Regular

Restriction: Permission of ARHU-School of Music department.

Advanced musicianship skills necessary for conductors.

0101	Michael Votta Tu 12:30pm - 1:30pm W 1:00pm - 2:15pm	Seats (Total: 5) PAC 2126 PAC 2126

MUSC758 **Advanced Aural Skills for Conductors**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Continuation of MUSC757, advanced aural skills necessary for conductors.

0101	Michael Votta W 1:00pm - 2:15pm	Seats (Total: 5) PAC 2126

MUSC799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

MUSC800P **Advanced Seminar in Music Pedagogy**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor.

A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

0101	Mayron Tsong F 10:00am - 12:30pm	Seats (Total: 7) Location: TBA

MUSC800V **Advanced Seminar in Music Pedagogy**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor.

A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

0101	Theresa Bickham W 4:00pm - 6:30pm	Seats (Total: 15) PAC 2160

MUSC800W **Advanced Seminar in Music Pedagogy**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor.

A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

0101	Sarah Frisof Contact instructor or department for details.	Seats (Total: 10)
0201	Emily Tsai Contact instructor or department for details.	Seats (Total: 10)
0301	Robert DiLutis Contact instructor or department for details.	Seats (Total: 10)
0401	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

0501	Tim Powell Contact instructor or department for details.	Seats (Total: 10)
0601	Gregory Miller Contact instructor or department for details.	Seats (Total: 10)
0701	Paul Gekker Contact instructor or department for details.	Seats (Total: 10)
0801	Myles Blakemore Contact instructor or department for details.	Seats (Total: 10)
0901	Willie Clark Contact instructor or department for details.	Seats (Total: 10)
1001	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
1101	Jonathan Bisesi Contact instructor or department for details.	Seats (Total: 10)
1201	Joseph Grimmer Contact instructor or department for details.	Seats (Total: 5)
1301	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

MUSC802A **Advanced Seminar in Music Pedagogy III**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: MUSC801. Restriction: Permission of ARHU-School of Music department.

A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument.

0101	Mai-Linh Pham TBA	Seats (Total: 5) PAC 2168

MUSC811 **Doctoral Opera Techniques**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC611 or MUSC811.

Techniques for opera performance: Improvisation; Acting I, Scene Study I; and Movement I. Practical application of styles, techniques to operat e repertoire, and methodology seminar.

0101	Corinne Hayes, Steven Bailey, Jason Baker	Seats (Total: 5)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC813 **Doctoral Opera Techniques III**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Prerequisite: MUSC812; and permission of ARHU-School of Music department. Credit only granted for: MUSC613 and MUSC813.

Continuation of MUSC812. Techniques for opera performance: Scene Study III; Movement III; Acting III Shakespeare; Dance I; Stage Combat II; Stage Combat II; and methodology seminar.

0101	Jason Baker, Steven Bailey, Corinne Hayes	Seats (Total: 5)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC830P **Doctoral Seminar in Music Literature**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: Must have completed at least twelve hours in music history and literature.

An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

0101	Bradford Gowen	Seats (Total: 15)
	F 10:00am - 12:30pm	PAC 1123

MUSC830S **Doctoral Seminar in Music Literature**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: Must have completed at least twelve hours in music history and literature.

An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

0101	Kenneth Slowik	Seats (Total: 20)
	M 9:00am - 12:00pm	PAC 2126

MUSC830W **Doctoral Seminar in Music Literature**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have completed at least twelve hours in music history and literature.

An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

0101	Sarah Frisof Contact instructor or department for details.	Seats (Total: 10)
0201	Emily Tsai Contact instructor or department for details.	Seats (Total: 10)
0301	Robert DiLutis Contact instructor or department for details.	Seats (Total: 10)
0401	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
0501	Tim Powell Contact instructor or department for details.	Seats (Total: 10)
0601	Gregory Miller Contact instructor or department for details.	Seats (Total: 10)
0701	Paul Gekker Contact instructor or department for details.	Seats (Total: 10)
0801	Myles Blakemore Contact instructor or department for details.	Seats (Total: 10)
0901	Aaron Goldman Contact instructor or department for details.	Seats (Total: 10)
1001	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
1101	Jonathan Bisesi Contact instructor or department for details.	Seats (Total: 10)
1201	Joseph Grimmer Contact instructor or department for details.	Seats (Total: 5)

1301	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC832A **Doctoral Seminar in Music Literature**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: MUSC831. Restriction: Permission of ARHU-School of Music department.

An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music.

0101	Futaba Niekawa	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

MUSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

NACS Neuroscience & Cognitive Science Fall 2025

NACS608 **Neuroscience and Cognitive Science Seminar**

Credits: 1 Grading Method: Regular

Special seminar topics in Neuroscience and Cognitive Science.

0101	Ricardo Araneda	Seats (Total: 20)
	F 10:15am - 11:15am	BRB 1103

NACS640 **Foundational Readings Seminar**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Permission of instructor; and must be in Neurosciences and Cognitive Sciences (Doctoral) program. Credit only granted for: NACS640 or NACS728R. Formerly: NACS728R.

An introduction to the breadth of research in Neuroscience and Cognitive Science. Faculty will present papers to provide historical context and introduction to important issues in the fields of their research.

0101	Rodolphe Gentili	Seats (Total: 12)
	W 10:00am - 11:50am	ATL 1106

NACS641 **Introduction to Neurosciences**

(Perm req)

Credits: 4 Grading Method: Regular, Audit

Restriction: Permission of instructor.

Detailed examination of neurophysiology and sensorimotor systems.

0101	Jens Herberholz	Seats (Total: 20)
	MW 2:00pm - 3:45pm	HBK 0108

NACS645 Cognitive Science

Credits: 4 Grading Method: Regular, Audit

Credit only granted for: NACS645 or NACS728Y. Formerly: NACS728Y.

A study of mental representations and computations. Issues examined include computation, representations, decisions, modularity, evolution, innateness, and reductionism.

0101	Valentin Guigon	Seats (Total: 10)
	TuTh 10:00am - 11:45am	BPS 1228

NACS728M Selected Topics in Neuroscience and Cognitive Science; Grant Writing

Credits: 2 Grading Method: Regular, Audit

Graduate seminar on selected topics in contemporary neuroscience and Cognitive science. Extensive readings from the primary literature. Topics vary by semester.

Instruction in grant-writing skill, introduction to resources, discussions on how to make your grant competitive, and insight into the review process. The goal will be to have each participant submit an NRSA.

0101	Joo Yun Jun	Seats (Total: 14)
	Th 1:00pm - 3:00pm	COL 0211

NACS798 Master's Non-Thesis Research

Credits: 1-3 Grading Method: Regular

Individual research course for NACS non-thesis MS degree

Contact department for information to register for this course.

NACS799 Master's Thesis Research

Credits: 1-3 Grading Method: Sat-Fail

Individualized research course for NACS thesis MS degree

Contact department for information to register for this course.

NACS898 Pre-Candidacy Research

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

NACS899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Indivdual instruction course: contact department or instructor to obtain section number

Contact department for information to register for this course.

NAVY Navy Fall 2025

NAVY100 **Introduction to Naval Science**

Credits: 3 Grading Method: Regular General Education: DSHS

Introduction to the naval profession and concepts of sea power. Major topics explored are the mission, strategy, organization, and descriptions of the U.S. Navy and Marine Corps. Students will gain a basic understanding of warfighting capabilities, required leadership skills, training and education, and the duties and responsibilities of a U.S. Navy and Marine Corps Junior Officer. The student will learn Naval courtesy and customs, military justice, and nomenclature as well as the professional competencies required to become a naval officer.

0101	GABRIELLA ROSELLE, Austin Cranfill MW 8:00am - 9:15am	Seats (Total: 75) TYD 0117
2401	GABRIELLA ROSELLE, Austin Cranfill MW 8:00am - 9:15am	Seats (Total: 35) ARM 0120
FC01	GABRIELLA ROSELLE, Austin Cranfill MW 8:00am - 9:15am *Restricted to students in Freshmen Connection.*	Seats (Total: 10) ARM 0120

NAVY108 **Naval Science Leadership Lab**

Credits: 1 Grading Method: Regular

Introduces the student to a variety of instructional sessions and/or activities that will develop the leadership component of the Naval ROTC program. The Naval Science leadership lab may include, but not be limited to, close-order drill, physical fitness training, ceremonial functions, Department of the Navy policy, guest lecturers, general military training (GMT), Anti-Terrorism Force Protection (ATFP), traffic safety, nutrition, stress management, prevention of sexual harassment, and operations security.

0101	Jenna Weiner, John Gonser TuTh 7:00am - 7:50am	Seats (Total: 130) ESJ 1224
FC01	Jenna Weiner, John Gonser TuTh 7:00am - 7:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 10) ESJ 1224

NAVY200 **Leadership and Management**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSHU, SCIS

Restriction: Permission of UGST-Navy ROTC. Additional information: Priority enrollment will be given to students enrolled in the NROTC program.

Introductory course designed to familiarize students with the theories, processes, and behaviors that enable effective leadership and managerial competence. Students will engage in analytical discussions, review leadership development and education, and Navy/Marine Corps-based case study discussions in order to develop their understanding of personal strengths, values and growth opportunities in the context of team, group and organizational leadership.

0101	Christopher Boehm TuTh 8:00am - 9:15am	Seats (Total: 40) TYD 0111

NAVY300 Naval Ship Systems I (Engineering)

(Perm req)

Credits: 3 Grading Method: Regular

Recommended: MATH140 and MATH141. Restriction: Permission of UGST-Navy ROTC. Additional information: Priority enrollment will be given to students enrolled in the NROTC program.

Introduces the student to a comprehensive fundamental understanding of United States naval engineering principles and systems. Topics include thermodynamics, incompressible fluid flow, electrical theory, hydraulics and pneumatics, power train components, fluid/lube oil systems, desalination, fundamentals of nuclear power, propulsion systems (internal combustion, gas turbines, and steam), electrical distribution, ship stability and control and damage control. Students will also examine case studies to apply and analyze course topics within naval ships systems contexts.

0101	Beau Cisneros MW 8:00am - 9:15am	Seats (Total: 25) JMZ 0120

NAVY400 Naval Operations and Seamanship

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSSP

Recommended: NAVY201. Restriction: Permission of UGST-Navy ROTC. Additional information: Priority enrollment will be given to students enrolled in the NROTC program.

Capstone course for senior NROTC Navy-option midshipmen in advanced navigation, communications, naval operations, and naval warfare. Students learn through simulation in a computer classroom known as the Maritime Skills Simulator (MSS), in addition to lectures, discussions, and qualitative and quantitative tests/examinations. Students will engage in discussions regarding the moral and ethical responsibilities or military leaders, as well as the essential attributes of character required for effective leadership.

0101	GABRIELLA ROSELLE, Austin Cranfill TuTh 8:00am - 9:15am	Seats (Total: 30) ARM 0120

NEUR Neuroscience Fall 2025

NEUR200 Introduction to Neuroscience

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNS

Prerequisite: Minimum grade of C- in BSCI170 and BSCI171. Cross-listed with: PSYC202. Credit only granted for: PSYC309U, NEUR200, PSYC202 or PSYC301. Formerly: PSYC309U.

In an evolutionary sense, the job of the nervous system is to produce, control, and coordinate behaviors that help an animal survive and reproduce. Neuroscience is the study of how the nervous system does that. Provides a broad introduction to neuroscience, always keeping the behavioral consequences in view.

0101	Ana Navarro Cebrian TuTh 12:30pm - 1:45pm	Seats (Total: 75) BPS 1243
0201	Ana Navarro Cebrian TuTh 2:00pm - 3:15pm	Seats (Total: 75) BPS 1243
0301	Evan Hart MWF 10:00am - 10:50am	Seats (Total: 75) BPS 1243

NEUR305 Neural Systems and Circuits

Credits: 3 | Grading Method: Regular

Prerequisite: Minimum grade of C- in MATH120 or higher MATH course; and a minimum grade of C- in NEUR200 or BSCI353; or equivalent.

Overview of the fundamental principles underlying the systems and circuits of the human nervous system, with a focus on cognitive processes and how these systems interact. Students will engage in the analysis of case studies, apply their knowledge of the neural circuitry to explain everyday phenomena, hypothesize ways to further investigate the nervous system, and propose how knowledge of neural circuits can be used in human society and the resulting implications.

0101	Amanda Chicoli MWF 1:00pm - 1:50pm	Seats (Total: 88) CCC 1205

NEUR306 Cellular and Molecular Neuroscience

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from NEUR200, BSCI207 or BSCI330. Corequisite: Must have completed or be concurrently enrolled in PHYS132 or equivalent course. Cross-listed with: BSCI353. Credit only granted for: NEUR306 or BSCI353.

Students will gain an appreciation of neuroscience as the nexus of chemistry, physics, and biology. Additionally, they will gain an understanding of how: both individual and networks of neurons function as variable electrical circuits; our nervous systems transduce signals from the outside world and sets-off molecular cascades; the behavior of a neuron can be changed and or remain the same in response to changing variables. Techniques used to study the nervous system at a cellular and molecular level will be discussed.

0101	Chan Lin MWF 9:00am - 9:50am	Seats (Total: 100) BPS 1250
0102	Daniel Butts TuTh 12:30pm - 1:45pm	Seats (Total: 100) ESJ 0224

NEUR329 **Instructional Assistance Practicum**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Students serve as instructional assistants in selected undergraduate neuroscience courses. Roles and responsibilities and pre/co-requisites are determined on a course- specific basis and approved by the Program Curriculum Committee.

Repeatable to 9 credits. Additional information: Course not acceptable toward major requirements in the Neuroscience. Students serve as instructional assistants in selected undergraduate neuroscience courses. Roles and responsibilities and pre/co-requisites are determined on a course- specific basis and approved by the Program Curriculum Committee.

Contact department for information to register for this course.

NEUR379 **Special Topics: Research in Neuroscience**

(Perm req)

Credits: 1-3 Grading Method: Regular

Research and/or integrated reading in a topic related to neuroscience, under the direction and close supervision of a member of the University of Maryland faculty.

Recommended: At least a 3.0 neuroscience track GPA and no records of academic misconduct. Restriction: Permission of Neuroscience Program. Repeatable to 12 credits. Research and/or integrated reading in a topic related to neuroscience, under the direction and close supervision of a member of the University of Maryland faculty.

Contact department for information to register for this course.

NEUR379H **Special Topics: Research in Neuroscience**

(Perm req)

Credits: 1-3 Grading Method: Regular

Research and/or integrated reading in a topic related to neuroscience, under the direction and close supervision of a member of the University of Maryland faculty.

Contact department for information to register for this course.

NEUR398H **Neuroscience Honors Seminar**

(Perm req)

Credits: 1 Grading Method: Regular

This seminar provides an opportunity for the honors students to share their research projects and sharpen their communication skills through presentations, discussions, and peer-review thesis writing. Guest speakers will be invited to provide additional information and insights into various topics in professional development practice, graduate school info and application, etc.

Prerequisite: NEUR200. Corequisite: NEUR379, NEUR479, or equivalent research credit with instructor permission.Restriction: Permission of department. Repeatable to 4 credits. This seminar provides an opportunity for the honors students to share their research projects and sharpen their communication skills through presentations, discussions, and peer-review thesis writing. Guest speakers will be invited to provide additional information and insights into various topics in professional development practice, graduate school info and application, etc.

0101	Nikolas Francis Tu 3:30pm - 4:20pm	Seats (Total: 15) BPS 1208	

NEUR405 Neuroscience Laboratory

Credits: 3 Grading Method: Regular General Education: DSSP

Prerequisite: NEUR306 or BSCI353; and PHYS132. Recommended: NEUR305. Cross-listed with: BSCI455. Credit only granted for: PSYC401, NEUR405, BSCI455 or BSCI454.

Students will utilize neurophysiological techniques to examine fundamental principles of neurons and neural circuits. This course will reinforce content from prerequisite NEUR courses. Students will also strengthen skills in experimental design and scientific writing.

Students must pay a $40 laboratory materials fee.

0102	Hilary Bierman M 11:00am - 12:50pm Tu 2:00pm - 6:00pm	Seats (Total: 20) ESJ 2212 BPS 0257	 Lab
0103	Hilary Bierman M 11:00am - 12:50pm W 1:00pm - 5:00pm	Seats (Total: 20) ESJ 2212 BPS 0257	 Lab

NEUR479 Advanced Research in Neuroscience

(Perm req)

Credits: 1-3 Grading Method: Regular

Research and/or integrated reading in neuroscience under the direction and close supervision of a faculty member.

Prerequisite: Complete at least 3 credits of NEUR379 (or equivalent) with the same faculty member as NEUR479 credit. Recommended: Minimum neuroscience track GPA of 3.0. Restriction: Permission of the Neuroscience Program. Repeatable to 12 credits. Research and/or integrated reading in neuroscience under the direction and close supervision of a faculty member.

Contact department for information to register for this course.

NEUR479H **Advanced Research in Neuroscience**

(Perm req)

Credits: 1-3 Grading Method: Regular

Research and/or integrated reading in neuroscience under the direction and close supervision of a faculty member.

Contact department for information to register for this course.

NFSC Nutrition and Food Science Fall 2025

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

NFSC100 **Elements of Nutrition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: LS General Education: DSNS

Credit only granted for: KNES264, KNES289F or NFSC100.

Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

0101	Margaret Slavin MW 11:00am - 11:50am Th 8:30am - 9:20am	Seats (Total: 15) BRB 1101 JMZ 0205	Discussion
0102	Margaret Slavin MW 11:00am - 11:50am Th 8:30am - 9:20am	Seats (Total: 10) BRB 1101 JMZ 1124	Discussion
0103	Margaret Slavin MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) BRB 1101 TLF 0110	Discussion
0104	Margaret Slavin MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 25) BRB 1101 TLF 0103	Discussion
0105	Margaret Slavin MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) BRB 1101 JMZ 0122	Discussion

0106	Margaret Slavin MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) BRB 1101 KEY 0100	Discussion
0107	Margaret Slavin MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 25) BRB 1101 TLF 0103	Discussion
0108	Margaret Slavin MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 TLF 0110	Discussion
0109	Margaret Slavin MW 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 25) BRB 1101 JMZ 0118	Discussion
0112	Margaret Slavin MW 11:00am - 11:50am W 3:00pm - 3:50pm	Seats (Total: 25) BRB 1101 TMH 0225	Discussion
0113	Margaret Slavin MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) BRB 1101 JMZ 0205	Discussion
0114	Margaret Slavin MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) BRB 1101 SQH 1103	Discussion
0115	Margaret Slavin MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) BRB 1101 JMZ 0205	Discussion
FC01	Margaret Slavin MW 4:30pm - 5:20pm F 11:30am - 12:20pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SQH 2120 TWS 0201	Discussion
FC02	Margaret Slavin MW 4:30pm - 5:20pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SQH 2120 WDS 0104	Discussion

NFSC100H **Elements of Nutrition**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: LS | General Education: DSNS

Credit only granted for: KNES264, KNES289F or NFSC100.

Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

For general honors students only.

0101	Margaret Slavin MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 12) Location: TBA Location: TBA	 Discussion
	01/11/2023 (2308) Suzanne May need to share room for both NFSC100 0103 and NFSC100H 0101 discussions if enrollment is lower than expected for the H-version.		

NFSC112 **Food: Science and Technology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: LS | General Education: DSNS

Introduction to the realm of food science, food technology and food processing. An overview of the largest industry in the U.S. with emphasis on the science of food and the technology of food preservation from harvest through processing and packaging to distribution and consumer utilization.

0101	Qin Wang, Abani Pradhan MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 30) MMH 1400 EDU 1121	 Discussion
0102	Abani Pradhan, Qin Wang MW 10:00am - 10:50am Th 4:00pm - 4:50pm	Seats (Total: 30) MMH 1400 KEY 0125	 Discussion
0103	Abani Pradhan, Qin Wang MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 30) MMH 1400 JMZ 1122	 Discussion
0104	Abani Pradhan, Qin Wang MW 10:00am - 10:50am F 3:00pm - 3:50pm	Seats (Total: 30) MMH 1400 KEY 0121	 Discussion
0105	Abani Pradhan, Qin Wang MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 30) MMH 1400 ESJ B0322	 Discussion

0106	Qin Wang, Abani Pradhan MW 10:00am - 10:50am W 3:00pm - 3:50pm	Seats (Total: 30) MMH 1400 ESJ B0322	Discussion
FC01	Abani Pradhan, Qin Wang MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) SYM 0215	

NFSC220 **Diet: Is it a cause or a solution**

Credits: 3 | Grading Method: Regular, Audit | General Education: DSSP, SCIS

If diet is such a straightforward topic, then why and how does this simple matter result in complicated health problems? This course delves deeply into a Big Question at the intersection of diet and health. Diet is a topic that most people know but few people understand. In addition, diet has become one of the most important lenses for looking at a variety of social, economic, and cultural issues. Since the concept of diet is a continuum and has multifaceted aspects, we need to understand it from broad and multidisciplinary perspectives including social, cultural, and economic aspects.

0101	Amy Schachtner-Appel MWF 12:00pm - 12:50pm	Seats (Total: 60) SYM 0200

NFSC298 **Sports Nutrition Internship Practicum**

Credits: 1 | Grading Method: Sat-Fail

This internship allows students to gain hands on experience working in collegiate athletics. Students interact with an interdisciplinary team including registered dietitians, coaches, trainers, physicians and others to develop and enhance nutrition-related knowledge and skills. They also gain invaluable experience and exposure to the day-to-day duties of a collegiate sports dietitian. Students participate in a weekly 50-minute discussion that is held by two sports nutrition dietitians, and complete 9 hours per week hands on activities at Gossett Football Team House, Xfinity Center, and Varsity Team House.

0101	Paula Karamihas, Colleen Carrion Class time/details on ELMs	Seats (Total: 16) ONLINE

NFSC341 **Fermented Food, Feed, and Pharmaceuticals**

Credits: 3 | Grading Method: Regular

Prerequisite: AGST130; and CHEM271; or by permission of the instructor. Jointly offered with: NFSC641.

Fermentation is a biochemical process that improves and preserves the organoleptic and nutritional values of various food and feed products. In addition, fermentation is a biotechnology tool which cultivates microorganisms or other raw materials into important pharmaceuticals and other industrial products. The objective of this course is to learn how fermented foods and feeds are produced and study the microbial starter cultures used in creating these probiotic-rich and functional foods. Fermentation techniques in animal feed production will be discussed in this course and the influence of these techniques on the nutritional requirements and digestive physiology of animals as well as the nutritive value of the feedstuffs will be studied. The process of production of pharmaceuticals such as antibiotics, enzymes and insulin and their applications will also be studied.

0101	Behrouz Meyssami TuTh 11:00am - 12:15pm	Seats (Total: 10) SKN 0101	

NFSC350 **Foodservice Operations**

(Perm req)

Credits: 5 Grading Method: Regular

Prerequisite: Minimum grade of C- in BSCI223 and BMGT364. Restriction: Must be in Nutrition and Food Science: Dietetics program.

Introduction to management. Responsibilities in quantity food production and purchasing in a foodservice operation. Laboratory experience in planning, preparation, and service of meals which meet the nutritional needs of the consumer.

0101	Margaret Udahogora TuTh 4:00pm - 5:15pm Tu 8:00am - 1:30pm	Seats (Total: 9) MMH 3112 MMH 3401	 Lab
0102	Margaret Udahogora TuTh 4:00pm - 5:15pm Th 8:00am - 1:30pm	Seats (Total: 9) MMH 3112 MMH 3401	 Lab
0103	Margaret Udahogora TuTh 4:00pm - 5:15pm Tu 8:00am - 1:30pm	Seats (Total: 9) MMH 3112 MMH 3401	 Lab
0104	Margaret Udahogora TuTh 4:00pm - 5:15pm Th 8:00am - 1:30pm	Seats (Total: 9) MMH 3112 MMH 3401	 Lab

NFSC380 **Methods of Nutritional Assessment**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum of C- in NFSC315 and BCHM461. Restriction: Must be in Nutrition and Food Science: Food Science program.

Methods of assessing human nutritional status of populations and individuals. These methods include dietary, anthropometric, clinical evaluations and biochemical measurements.

0101	Margaret Udahogora MW 1:00pm - 1:50pm M 2:00pm - 5:00pm	Seats (Total: 15) HBK 1108 SKN 0101	 Lab
0102	Margaret Udahogora MW 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 15) HBK 1108 SKN 0101	 Lab

NFSC386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of AGNR-Nutrition and Food Science department. Restriction: Junior standing or higher. Formerly: FDSC386 and NUTR386.

Contact department for information to register for this course.

NFSC388 **Honors Thesis Research**

Credits: 3-6 Grading Method: Regular

Undergraduate honors thesis research conducted under the direction of an AGNR faculty member in partial fulfillment of the requirements of the College of AGNR Honors Program. The thesis will be defended to a faculty committee.

1301	Qin Wang Contact instructor or department for details.	Seats (Total: 10)

NFSC399 **Special Problems in Food Science**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Designed for advanced undergraduates. Specific problems in food science will be assigned.

Contact department for information to register for this course.

NFSC421 **Food Chemistry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BCHM461.

Basic chemical and physical concepts are applied to the composition and properties of foods. Emphasis on the relationship of processing technology to the keeping quality, nutritional value, and acceptability of foods.

0101	Liangli Yu	Seats (Total: 30)	
	MW 12:30pm - 1:45pm	TYD 0101	

NFSC422 **Food Product Research and Development**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: CS | General Education: DSSP

Restriction: Senior standing; and must be in a major within AGNR-Nutrition and Food Science department; and permission of AGNR-Nutrition and Food Science department. Formerly: FDSC422.

A capstone course for FDSC majors. A study of the research and development of new food products. Application of food technology, engineering, safety and packaging are integrated by teams of students to develop a new food product from concept to pilot plant scale-up. Students will travel to nearby food processing plants on two to four Saturdays during the semester.

0101	Qin Wang	Seats (Total: 15)	
	W 2:00pm - 2:50pm	KEY 0124	
	F 1:00pm - 5:00pm	MMH 3401	Lab

NFSC423 **Food Chemistry Laboratory**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Prerequisite: Must have completed or be concurrently enrolled in NFSC421.

Analysis of the major and minor constituents of food using chemical, physical and instrumental methods in concordance with current food industry and regulatory practices. Laboratory exercises coincide with lecture subjects in NFSC421.

0101	Diana Obanda	Seats (Total: 15)	
	W 8:30am - 9:20am	ANS 0536	
	W 9:30am - 12:20pm	ANS 0536	Lab

NFSC426 **Current Topics in Nutrition and Chronic Disease**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Jointly offered with: NFSC621. Credit only granted for: NFSC498F, NFSC426, NFSC678F, or NFSC621. Formerly: NFSC498F.

Analysis of current topics related to diet, nutrition, and human health at cellular, molecular and biochemical level. Further, this course will provide overview of the current methods, and in vitro and in vivo model systems used in nutrition research. Syllabus includes topics relevant to dietary regulation of genes/proteins and their impact on both physiological and pathological conditions including hyperlipidemia, hyperglycemia, fibrosis, food allergy, nutraceuticals, inflammatory diseases (IBD), cardiovascular diseases (atherosclerosis and stenosis), and oncogenesis. This course is designed to help students to understand and apply current scientific concepts and research methods, and to obtain necessary skills in evaluation and interpretation of evidence based scientific data.

0101	Shaik Rahaman	Seats (Total: 20)
	M 2:15pm - 5:00pm	JMZ 2206

NFSC427 **Current Topics on Diet, Gut Microbiota Health and Metabolic Disease**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: BCHM461. Jointly offered with: NFSC627. Credit only granted for: NFSC678K, NFSC498K, NFSC427, or NFSC627. Formerly: NFSC498K.

A review of current science linking the gut microbiota/microbiome with general and public health. It covers the composition of a healthy gut microbiota, its acquisition, how it is studied and analyzed; Gut microbiota changes with diet, specific foods, immigration and globalization and exercise; Its links to obesity, liver disease, insulin resistance and diabetes and cardiovascular disease; Links to the immune system; Targeting the gut microbiota composition and function to protect against or treat metabolic diseases. This course will be of use to public health and health care professionals, Food and/or Nutrition scientists, Dieticians, and those generally interested in understanding the health relevance of news reports or scientific reports on the microbiome.

0101	Diana Obanda	Seats (Total: 15)
	W 3:00pm - 5:45pm	MMH 3112

NFSC440 **Advanced Human Nutrition**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum of C- in NFSC100, BCHM462 and BSCI440.

A critical study of physiologic, molecular and metabolic influences on utilization of carbohydrates, lipids, proteins, vitamins, macro-and micro- minerals, and nonnutritive components of food. Interactions of these nutrients and food components will be examined relative to maintaining health.

Jointly offered with NFSC678R.

0101	Seong-Ho Lee	Seats (Total: 49)
	TuTh 2:00pm - 3:40pm	SQH 1120

NFSC455 **Medical Nutrition Therapy I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: NFSC380. Corequisite: NFSC440.

Advanced clinical nutrition course for dietetics or nutrition science majors. Modifications of the normal adequate diet to meet human nutritional needs in acute and chronic diseases and metabolic disorders. Includes energy balance and weight management, nutritional genomics, nutrition counseling, autoimmune disease, nutrition for pediatric conditions.

0101	Anyea Lovette, Yuanyuan Li	Seats (Total: 30)	
	MWF 10:00am - 10:50am	JMZ 0122	
	W 2:00pm - 3:50pm	VMH 1203	Lab

NFSC463 Sensory Evaluation Laboratory

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: NFSC112; NFSC431; or by Permission. Restriction: Students must be 18 years of age by the first day of instruction of the semester to enroll in, this course. Additional information: Students must be 18 years of age by the first day of instruction of the semester to enroll in, this course.

This course provides an in-depth introduction to building students' sensory evaluation skills and developing a greater understanding of the science behind food sensory perception. Students will be introduced to the various aspects of sensory evaluation, from human taste and flavor perception, to sample preparation, the various sensory testing methods, and analyzing data obtained from sensory analyses using a combination of hands-on demonstration and experiential learning.

0101	Thomas Flores	Seats (Total: 12)	
	MF 9:00am - 9:50am	ANS 0536	
	M 10:00am - 11:50am	ANS 0536	Lab

NFSC490 Special Problems in Nutrition

(Perm req)

Credits: 2-3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: NFSC440; and permission of AGNR-Nutrition and Food Science department.

Individually selected problems in the area of human nutrition.

Contact department for information to register for this course.

NFSC498 Selected Topics

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Selected current aspects of food.

Contact department for information to register for this course.

NFSC498A Selected Topics; Individual Study

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Selected current aspects of food.

Contact department for information to register for this course.

NFSC620 **Diet and Cancer Prevention**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: NFSC440; or permission of instructor. Credit only granted for: NFSC620 or NFSC679D. Formerly: NFSC678D.

1. The nature of cancer and the relationship between dietary/nutritional factors and incidence of cancer 2. Basic concepts of general cancer biology with focus on effects of dietary components on genes and their encoded proteins, epigenetic changes and cell signaling 3. Effect of dietary factors in various types of cancer with respect to the benefit of intervention strategies for chemoprevention 4. Scientific knowledge, critical thinking, and the practical application of diet in cancer prevention.

0101	Seong-Ho Lee	Seats (Total: 15)
	Tu 4:00pm - 6:45pm	Location: TBA

NFSC621 **Advanced Current Topics in Nutrition and Chronic Disease**

Credits: 3

Grading Method: Regular, Audit

Jointly offered with: NFSC426. Credit only granted for: NFSC498F, NFSC426, NFSC678F, or NFSC621. Formerly: NFSC678M.

Analysis of current topics related to diet, nutrition, and human health at cellular, molecular and biochemical level. Further, this course will provide overview of the current methods, and in vitro and in vivo model systems used in nutrition research. Syllabus includes topics relevant to dietary regulation of genes/proteins and their impact on both physiological and pathological conditions including hyperlipidemia, hyperglycemia, fibrosis, food allergy, nutraceuticals, inflammatory diseases (IBD), cardiovascular diseases (atherosclerosis and stenosis), and oncogenesis. This course is designed to help students to understand and apply current scientific concepts and research methods, and to obtain necessary skills in evaluation and interpretation of evidence based scientific data.

0101	Shaik Rahaman	Seats (Total: 20)
	M 2:15pm - 5:00pm	JMZ 2206

NFSC624 **Advanced Research Design and Methods in Nutrition Education**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: One statistics course; or permission by the instructor. Credit only granted for: NFSC678V, NFSC498V, or NFSC624. Formerly: NFSC678V.

Health promotion and nutrition education are parts of behavioral and social science that can be used to promote health and prevent diet-related diseases. Their purpose is to positively influence the health-related behaviors of individuals, communities, surrounding environments, and policies. The major goals of this course are to help students understand fundamental behavioral and social models and theories used in the field of community nutrition and to address methodological issues in developing, implementing, and evaluating nutrition education programs.

0101	Hee-Jung Song	Seats (Total: 15)
	F 2:00pm - 4:45pm	ONLINE

NFSC627 Advanced Current Topics on Diet, Gut Microbiota Health and Metabolic Disease

Credits: 3 Grading Method: Regular, Audit

Recommended: BCHM461 . Jointly offered with: NFSC427. Credit only granted for: NFSC678K, NFSC498K, NFSC427, or NFSC627. Formerly: NFSC678K.

A review of current science on links between the gut microbiota and general and public health. It covers the composition of a healthy gut microbiota, its acquisition, how it is studied and analyzed; Gut microbiota changes with diet, specific foods, immigration and globalization and exercise; Its links to obesity, liver disease, insulin resistance and diabetes and cardiovascular disease; Links to the immune system; Targeting the gut microbiota in preventing and treating metabolic disease obesity and related diseases; How the gut microbiota changes with immigration and globalization. This course will be of use to public health and health care professionals, Food and/or Nutrition scientists, Dieticians, and those generally interested in understanding the health relevance of news reports or scientific reports on the microbiome.

0101	Diana Obanda	Seats (Total: 15)
	W 3:00pm - 5:45pm	MMH 3112

NFSC641 Advanced Fermented Food, Feed, and Pharmaceuticals

Credits: 3 Grading Method: Regular, Audit

Prerequisite: AGST130; CHEM131/271; or by Permission. Jointly offered with: NFSC341.

Provides an in-depth exploration of fermentation as both a biochemical process and a biotechnology tool for food, feed, and pharmaceutical production. Students will critically analyze the microbiology, metabolic pathways, and process engineering principles underlying the fermentation of diverse substrates. Emphasis will be placed on the selection, characterization, and optimization of microbial starter cultures used in the production of probiotic-rich and functional foods.

0101	Behrouz Meyssami	Seats (Total: 5)
	TuTh 11:00am - 12:15pm	SKN 0101

NFSC678A Selected Topics in Nutrition

Credits: 1-4 Grading Method: Regular, Audit

Individual or group study in an area of nutrition.

Contact department for information to register for this course.

NFSC678P **Selected Topics in Nutrition; Precision Nutrition and Human Health**

Credits: 3 Grading Method: Regular, Audit

Individual or group study in an area of nutrition.

0101	Yuanyuan Li	Seats (Total: 10)	
	Th 4:00pm - 6:45pm	SKN 0101	

NFSC678R **Selected Topics in Nutrition; Advanced Human Nutrition**

(Perm req)

Credits: 4 Grading Method: Regular, Audit

Individual or group study in an area of nutrition.

Jointly offered with NFSC440. Prerequisites: NFSC100, BCHM462, BSCI440, and permission of department.

0101	Seong-Ho Lee	Seats (Total: 49)	
	TuTh 2:00pm - 3:40pm	SQH 1120	

NFSC679J **Selected Topics in Food Science; Nutraceuticals and Functional Foods**

Credits: 3 Grading Method: Regular

Individual or group study in an area of food science.

0101	Liangli Yu	Seats (Total: 10)	
	Th 12:30pm - 3:15pm	SKN 0101	

NFSC679R **Selected Topics in Food Science; Food Safety and Nutrition Risk Assessment**

Credits: 4 Grading Method: Regular

Individual or group study in an area of food science.

0101	Abani Pradhan	Seats (Total: 15)	
	M 1:00pm - 2:40pm	MMH 3112	
	F 11:00am - 1:30pm	MMH 3112	Lab

NFSC679T **Selected Topics in Food Science; Advanced Food Processing and Safety**

Credits: 2 Grading Method: Regular

Individual or group study in an area of food science.

0101	Rohan Tikekar	Seats (Total: 10)
	Th 3:00pm - 5:30pm	PLS 1172

NFSC688 **Seminar in Nutrition and Food Science**

Credits: 1-3 Grading Method: Sat-Fail, Audit

This is a seminar course presentedy by NFSC graduate students and invited speakers in the field of nutrition and food science.

0101	Shaik Rahaman	Seats (Total: 25)
	W 12:00pm - 12:50pm	SYM 0209

NFSC690 **Nutrition and Aging**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: NFSC440 or BSCI440; or students who have taken courses with comparable content may contact the department.

Examine the physiological, social and psychological changes that may occur with aging and their impact on nutritional status and on successful aging.

0101	Nadine Sahyoun	Seats (Total: 15)
	F 10:00am - 12:45pm	SKN 0101

NFSC699 **Problems in Nutrition and Food Science**

(Perm req)

Credits: 1-4 Grading Method: Regular, Audit

Credit according to time scheduled and magnitude of problem. An experimental program on a topic other than the student's thesis problem will be conducted. Four credits shall be the maximum allowed toward an advanced degree.

Contact department for information to register for this course.

NFSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

First and second semesters. Credit in proportion to work done and results accomplished. Investigation in some phases of foodservice administration which may form the basis of a thesis. results in the form of a thesis.

Contact department for information to register for this course.

NFSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

First and second semesters. Oral reports on special topics or recently published research in nutrition. Distinguished scientists are invited as guest lecturers. A maximum of three credits allowed for the M.S.

Contact department for information to register for this course.

NFSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

NIAS National Institute of Aeronautics - North Carolina Fall 2025

NIAS788T **Advanced Topics; Heat Transfer Theory and Applications**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

NIAS788W **Advanced Topics; Wing Theory**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

TV01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 1)

OURS Office of Undergraduate Research Fall 2025

OURS100 **Entering Research**

Credits: 1 Grading Method: Regular

Provides a structured, step-by-step approach to becoming involved in undergraduate research. This course equips students with essential skills for getting involved in research, from identifying research interests to communicating effectively with faculty members. The course also enables students to build transferable communication and professional skills. During the course, students will be immersed in an online community of peers seeking research opportunities.

Click here for more information.

0101	Carinna Ferguson **Meets October 6, 2025 - November 21, 2025** Class time/details on ELMs	Seats (Total: 40) ONLINE
FCW1	Carinna Ferguson **Meets October 6, 2025 - November 21, 2025** Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 40) ONLINE

OURS308 **Peer Mentorship - Supporting Students Entering Research**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Enables experienced student researchers in all fields of study to examine and participate in the practice of peer mentoring. Course participants will serve as peer mentors to students in OURS100: Entering Research. The work of peer mentors in the course will be grounded in discussions and materials that prepare them for their mentoring engagements, and peer mentors will have ample opportunities to reflect on their experiences as mentors and the ways in which these experiences may inform their future work in research and other settings.

0101	Jennifer Lieb	Seats (Total: 20)
	Meets October 6, 2025 - December 5, 2025	
	F 11:00am - 11:50am	AVW 3177
	Class time/details on ELMs	ONLINE
	Required in-person class meetings will take place in AVW 3177 from 11-11:50 am on October 10, October 17, November 7, and November 21.	

OURS309 **Peer Mentorship - Supporting Students in Course-Based Research**

(Perm req)

Credits: 1 Grading Method: Regular

Equips participants to serve as peer mentors to fellow undergraduates in research environments. Participants will explore concepts and theories from the Scholarship of Teaching and Learning (SoTL) while serving as peer mentors within course-based research or other experiential learning settings. Students will have rich opportunities to examine how this body of scholarship can inform their work as peer mentors, as well as to reflect on the ways in which their experiences as peer mentors might relate to arguments in the literature.

Students will explore and apply the Scholarship of Teaching and Learning theories as peer leaders within a partner course-based research or experiential learning course. Using critical reflection techniques, students will practice, discuss, and reflect on educational theories.

0101	Sara Strey	Seats (Total: 40)
	M 5:00pm - 6:00pm	HJP 3142
	This section is for students serving as Peer Learning Mentors in FIRE Semester 1 (FIRE120).	

PEER Health Center Fall 2025

PEER312 **Peer Education: Preventing Power-Based Violence**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DVCC

Prerequisite: Students must complete an interview before enrolling in this course. Restriction: Permission of instructor; and minimum cumulative GPA of 2.5. Credit only granted for: HLTH382 or PEER312. Formerly: HLTH382. Additional information: Students are required to attend a 40-hour training the week before classes begin which will equip them with the information and tools necessary to provide outreach as early as the first week of the Fall classes. Some evening and weekend hours may be required.

Designed to train students to become Peer Educators who are responsible for presenting to members of the campus community about the complex dynamics surrounding issues of power-based personal violence. This includes: sexual assault, relationship violence, stalking, bystander intervention, consent, and rape culture. Students fully learn the on and off-campus resources for victim/survivors. Programming is done in classroom settings, residence halls, Greek life spaces, and at tables during special events.

0101	Aleia Gardner	Seats (Total: 15)
	MW 4:00pm - 5:15pm	JMZ 1215
	Contact instructor or department for details.	

PEER318 **CARE Peer Advocacy**

(Perm req)

Credits: 3 Grading Method: Regular

Designed to train students to become Peer Advocates who are responsible for providing crisis and short-term support services for victims of sexual assault, relationship violence, stalking, sexual harassment and child abuse.Students will be meeting with clients and providing emotional support and resources (both on and off campus). During weekly classes, students will be trained in trauma-informed crisis intervention procedures that will not only help them assist clients during in- person sessions but will help them support clients via the crisis cell. Students will be expected to maintain the crisis cell (on a shared basis)throughout the semester as well as maintain 10 hours per week in the CARE office. In addition to maintaining the crisis cell and office hours, during the spring semester students will be tasked with working as a team in planning and executing a Take Back the Night event.

0101	Christina Jay	Seats (Total: 15)
	W 4:30pm - 6:00pm	JMZ 1104
	Contact instructor or department for details.	

PEER319 **CARE to Stop Violence Outreach Peer Program**

(Perm req)

Credits: 3 Grading Method: Regular

A two semester, 6-credit course designed to train students in the knowledge, values and skills to build professional relationships and become leaders in community development related to the social justice issue of sexual misconduct with emphasis on the college campus environment.

0101	Grace Boudreau	Seats (Total: 15)
	MW 4:00pm - 5:00pm	JMZ 2207
	Contact instructor or department for details.	
	Contact department or instructor for details.	

PERS Persian Fall 2025

PERS103 **Beginning Persian I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must not be a native/fluent speaker of Persian. Native/fluent speakers of Persian or students who have previously attended school in Persian speaking countries should take the World Language Placement (WLP) and see the Persian Program Advisor to identify the correct Persian course for which to register. Credit only granted for: PERS101 or PERS103.

Introduction to the fundamental grammatical structures, phonology, and orthography. Students work toward developing foundational communicative and interactional competence in Persian.

0101	Bahareh Jaleh MWF 10:00am - 10:50am	Seats (Total: 15) HJP 2114

PERS201 **Intermediate Persian I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: PERS102; or must have appropriate World Language Placement (WLP). Restriction: Must not be native/fluent speaker of Persian.

Development of speaking, reading, writing, listening and cultural knowledge through wide variety of activities.

0101	Bahareh Jaleh MWF 11:00am - 11:50am	Seats (Total: 15) HJP 2114

PERS283 **Iranian Cinema**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Cross-listed with: CINE283. Credit only granted for: PERS283, CINE283 or FILM298B.

Introduction to Iranian cinema, society, and culture. Taught in English.

Cross-listed with FILM298B. Credit only granted for PERS283, FILM283, or FILM298B.

0101	Marjan Moosavi M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 30) ONLINE JMZ 2206

PERS301 **Advanced Persian I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PERS202; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be native/fluent speaker of Persian.

Development of speaking, reading, writing, listening and cultural knowledge through wide variety of activities, especially reading.

0101	Nahal Akbari-Saneh	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	HJP 2114

PERS311 **Persian Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PERS301; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Examines issues, values, institutions of the contemporary Persian and Persianete world, primarily through analysis and discussion of current events as reported in the written and audiovisual press. Focus will be on increasing content knowledge as well as linguistic competency in Persian. Taught in Persian.

0101	Manizhe Galledari	Seats (Total: 15)
	MWF 1:00pm - 1:50pm	HJP 2114

PERS353 **Iranian Life in Literature and Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DSHU

Treats major themes in modern literature and life of Iranians. Topics examined include Iranian identity, religious traditions, modern life, and expatriate communities. Taught in English.

Cross-listed with CINE329Y. Credit granted only for PERS353 or CINE329Y.

0101	Fatemeh Keshavarz-Karamustafa	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	JMZ 2123

PERS386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ARHU-School of Languages, Literatures, and Cultures department.

Pre-professional experience in research, analysis and writing in a work setting. Project proposal approved by faculty and internship sponsor.

Contact department for information to register for this course.

PERS398Q **Special Topics in Persian Studies; Social Issues in Contemporary Iran**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topic to be announced when course is offered. Taught in Persian.

Permission required. Taught in Persian. Blending content and advanced language acquisition, the course examines a range of issues of social significance in today's Iran from multiple perspectives. The primary focus is on developing Superior proficiency in the language and culture.

0101	Ali Abasi	Seats (Total: 5)
	Th 9:00am - 11:45am	HJP 3115

PERS398R **Special Topics in Persian Studies; Persian for Professional Purposes**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topic to be announced when course is offered. Taught in Persian.

This advanced-level course introduces students to various genres of use in contemporary Persian both written and spoken. Analysis of various recurring rhetorical contexts as well as typified linguistic responses to such contexts constitutes the primary focus in the course. Taught in Persian.

0101	Manizhe Galledari	Seats (Total: 5)
	Tu 9:00am - 11:45am	HJP 3115

PERS399 **Directed Study in Persian**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Directed study with faculty supervision.

Contact department for information to register for this course.

PERS399C **Directed Study in Persian; Living/Learning in Persian House**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Directed study with faculty supervision.

Prerequisite: Permission of departmetn. Taught in Persian.

0101	Bahareh Jaleh	Seats (Total: 5)
	Contact instructor or department for details.	

PERS399D **Directed Study in Persian; Capstone Research Project**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Directed study with faculty supervision.

0101	Manizhe Galledari	Seats (Total: 5)
	M 9:00am - 11:45am	HJP 3115

PERS498M **Special Topics in Persian Studies; Sex, Gender, and Sexuality in the Islamic World**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topic and language to be announced when offered.

Cross-listed with PERS498M, PERS689M, CMLT679D, HIST419C, RELS429B, WGSS498D and WGSS698D. Credit only granted for PERS498M, PERS689M, CMLT679D, HIST419C, RELS429B, WGSS498D or WGSS698D.

0101	Matthew Miller	Seats (Total: 15)
	Th 12:30pm - 3:15pm	JMZ 3106A

PERS498N **Special Topics in Persian Studies; The Golden Age of Persian Literature: Exploring Ferdowsi, Rumi, Saadi, and Beyond**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topic and language to be announced when offered.

Represents a holistic point of view of the vast world of Persian Literature throughout the different literary genres. Focused on both Verse and Prose from the classical text starting from the 11th century and will proceed by a multitude of samples in Persian literature. Taughtin English.

0101	Mohammad Bazargan	Seats (Total: 15)
	Tu 3:00pm - 5:30pm	ONLINE

PERS498O **Special Topics in Persian Studies; Persian Literature in Modern Iran**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topic and language to be announced when offered.

This course facilitates the development of Persian language proficiency and domain-specific knowledge at Advanced High Level on the ACTFL scale. The course assumes a solid knowledge of the core grammatical and lexical features of the Persian Language and involves reading-based discussions and writing activities. The domain of focus is Modern Persian literature. Taught in Persian.

0101	Mohammad Bazargan	Seats (Total: 15)
	W 9:00am - 11:45am	HJP 3115

PERS498R **Special Topics in Persian Studies; Performing the Middle East: History, Politics, and Aesthetics**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topic and language to be announced when offered.

Cross-listed with THET408E and THET608E. Credit only granted for THET408E, PERS498R, or THET608E. This seminar examines the evolving aesthetics, sociopolitical engagements, and transnational collaborations of theatre and performance in the Middle East. We explore theatrical experimentations and revised historiographies within shifting contexts and trajectories. Readings include historical texts, dramatic literature, and critical scholarship, complemented by archival materials and performance recordings.

0101	Marjan Moosavi Th 4:00pm - 6:30pm	Seats (Total: 12) PAC 2804

PERS689M **Special Topics in Persian Studies; Sex, Gender, and Sexuality in the Islamic World**

Credits: 3 Grading Method: Regular, Audit

In-depth analysis of a particular aspect of Persian studies. In Persian.

Cross-listed with PERS498M, PERS689M, CMLT679D, HIST419C, RELS429B, WGSS498D and WGSS698D. Credit only granted for PERS498M, PERS689M, CMLT679D, HIST419C, RELS429B, WGSS498D or WGSS698D.

0101	Matthew Miller Th 12:30pm - 3:15pm	Seats (Total: 15) JMZ 3106A

PHIL Philosophy Fall 2025

Click here for fuller PHIL course descriptions.

PHIL100 **Introduction to Philosophy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO General Education: DSHU

An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

0101	Elizabeth Schechter MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 KNI 1105	 Discussion
0102	Elizabeth Schechter MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) SHM 2102 KNI 1103	 Discussion
0103	Elizabeth Schechter MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) SHM 2102 ASY 3217	 Discussion

0104	Elizabeth Schechter MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 KNI 1206	Discussion
0105	Elizabeth Schechter MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) SHM 2102 EDU 3233	Discussion
0106	Elizabeth Schechter MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) SHM 2102 LEF 1171	Discussion
FC01	Xiaohui Yu TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 35) SQH 1121	

PHIL140 **Contemporary Moral Issues**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU

The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

0101	Hallie Liberto MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) TMH 0301 EDU 3233	Discussion
0102	Hallie Liberto MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) TMH 0301 KNI 1206	Discussion
0103	Hallie Liberto MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) TMH 0301 EDU 2102	Discussion
0104	Hallie Liberto MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) TMH 0301 ASY 3207	Discussion
0105	Hallie Liberto MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) TMH 0301 SQH 2120	Discussion

0106	Hallie Liberto MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 20) TMH 0301 SQH 1111	Discussion
FC01	Kodie Lustig MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 32) ASY 3207	
FC02	Lia Curtis Fine TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 32) ARC 1105	
FC03	Nathan Lauffer MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 32) BPS 1236	
FC04	Xu Jiang TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 32) ASY 3207	

PHIL170 **Introduction to Symbolic Logic**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: FSAR

This course will introduce the basic concepts and techniques of modern symbolic logic, with an emphasis on developing skills in two areas: first, translating between ordinary language and logical notation; second, establishing the validity or invalidity of arguments using the methods of truth tables, deductions, and countermodels. Although the subject of symbolic logic was developed by mathematicians and philosophers for their own special purposes (which we will discuss), logical concepts and techniques have found applications in a variety of disciplines, including computer science, economics, law, linguistics, and psychology. We may also consider some of these applications.

0101	Masayuki Tashiro MW 3:00pm - 3:50pm Th 9:30am - 10:20am	Seats (Total: 20) JMZ 0220 TWS 0201	Discussion
0102	Masayuki Tashiro MW 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 20) JMZ 0220 PLS 1119	Discussion

0103	Masayuki Tashiro MW 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) JMZ 0220 HBK 1108	Discussion
0104	Masayuki Tashiro MW 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 20) JMZ 0220 SQH 1111	Discussion
0105	Masayuki Tashiro MW 3:00pm - 3:50pm F 12:00pm - 12:50pm	Seats (Total: 20) JMZ 0220 EDU 3233	Discussion
0106	Masayuki Tashiro MW 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 20) JMZ 0220 LEF 1171	Discussion

PHIL202 **Know Thyself: Wisdom Through Cognitive Science**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DSHU, SCIS

Credit only granted for: PHIL209N or PHIL202. Formerly: PHIL209N.

How do we improve our decision making? Cognitive science demonstrates that self-knowledge isn't as easy as we think, and that there are numerous biases and fallacies that impact our decision-making in ways that are hard for us to be aware of. In this course you will learn what some of these are and how they have been discovered, and you will explore potential strategies for avoiding these fallacies and for making wiser choices.

0101	Peter Carruthers MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) TMH 0301 LEF 1222	Discussion
0102	Peter Carruthers MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) TMH 0301 SQH 2120	Discussion
0103	Peter Carruthers MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 20) TMH 0301 EDU 1315	Discussion
0104	Peter Carruthers MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) TMH 0301 SQH 2120	Discussion

0105	Peter Carruthers MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) TMH 0301 SQH 1123	Discussion
0106	Peter Carruthers MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 20) TMH 0301 EDU 3236	Discussion

PHIL203 **The Rights and Wrongs of Killing People**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, SCIS

Credit only granted for: PHIL209J or PHIL203. Formerly: PHIL209J.

Virtually everyone thinks it's permissible to kill people only in special circumstances. But why is killing usually wrong? Is it ever acceptable to kill an innocent human being intentionally? This course raises these and related questions and examines cases such as terrorism, suicide, abortion, euthanasia, the death penalty, war. Except for a brief discussion of animals, all the controversies considered deal with killing and causing death to human beings.

0101	Daniel Blair MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) JMZ 0220 KNI 1206	Discussion
0102	Daniel Blair MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) JMZ 0220 EDU 2102	Discussion
0103	Daniel Blair MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) JMZ 0220 EDU 3233	Discussion
0104	Daniel Blair MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) JMZ 0220 KNI 1105	Discussion
0105	Daniel Blair MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) JMZ 0220 LEF 1220	Discussion
0106	Daniel Blair MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) JMZ 0220 LEF 1221	Discussion

PHIL209F **Philosophical Issues; Fairness**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An examination of selected philosophical issues of general interest.

Discussions about fairness have long been central to game theory, social choice theory, political philosophy, and ethics. These fields examine equitable resource distribution, just decision-making, and conflict resolution that respects everyone s rights and interests. The rise of AI---especially machine learning---extends these concerns to algorithms that may amplify existing biases. This course investigates how fairness shapes individual and collective choices and how it is incorporated into both human and automated decision-making systems.

0101	Eric Pacuit	Seats (Total: 30)	
	MW 2:00pm - 3:15pm	TWS 0223	

PHIL209M **Philosophical Issues; AI and the Human Experience**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An examination of selected philosophical issues of general interest.

This course offers a broad overview of key concepts in artificial intelligence (AI) from the perspective of the humanities. Topics include: central applications, the ethics of AI deployment, the way it interacts with social justice, the space for AI creativity and art, the degree to which AI systems are rational, and the opportunities AI technology presents for advancing scientific understanding and enhancing human well-being. Throughout the course, students will explore fundamental questions about AI, as well as its historical development. They will also be introduced to a range of modern AI technologies, such as recommender systems, large-language models, facial recognition, and predictive analytics, discussing both their positive impacts and potential negative consequences.

0101	Fabrizio Cariani	Seats (Total: 30)	
	TuTh 3:30pm - 4:45pm Class time/details on ELMs	PHY 1204 ONLINE	 Discussion

PHIL211 **AI & ETHICS**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Credit only granted for: PHIL209D or PHIL211. Formerly: PHIL209D.

An introduction to a major subfield of contemporary Philosophy, namely applied ethics, and the experience of using some major tools in the practice of philosophy more generally, namely, the construction and formal evaluation of arguments, conceptual analysis, the use of thought experiments, and clear, direct and persuasive writing. Learning how to execute the latter will involve an intense iterative process. The substantive focus of the course will be the ethical evaluation of Artificial Intelligence (AI) in some of its current and potentially future incarnations. We'll examine algorithmic opacity, algorithmic bias and decision-making, autonomous weapons systems, human-robot interaction, and artificial moral agents, in order to uncover what, if any, ethical issues they give rise to.

Is Alexa spying on you? How will autonomous vehicles make decisions on the road? Has a relative of yours been denied a loan on account of their zip code? Would you have sex with a robot? Will lethal autonomous weapons make the world safer or more dangerous? Could a robot ever have rights? Does it matter if we can't understand how AI does what it does? What is the future of (human) work? What is a moral machine? Can and should we build one? These are among the questions we will tackle in this up-to-date course on some of the ethical problems and puzzles that artificial intelligence (AI) gives rise to. We will be interested in the problems and puzzles themselves and also in whether they can be ameliorated or solved.

0101	Nathan Lauffer MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) ANS 0408 EDU 1315	Discussion
0102	Nathan Lauffer MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 20) ANS 0408 KNI 1105	Discussion
0103	Nathan Lauffer MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 20) ANS 0408 JMZ 2207	Discussion

PHIL220 **Bioethics: Regulating Right and Wrong**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DSSP

Credit only granted for: PHIL209A or PHIL220. Formerly: PHIL209A.

Bioethicists formulate ethical guidelines. They answer questions such as: When life-saving health resources are scarce, who should get them? Should we increase supply of one such resource, kidneys, by buying them from living "donors"? If drug trials in developing countries benefit patients who consent to participate, are the trials ethical, even if the same research would be forbidden in the US? If a sick person aims to hasten her death, how, if at all, might her doctor permissibly help her? In this course, students construct and defend ethical rules in four domains: research ethics, allocation of scarce resources, markets in organs, and physician-assisted dying.

0101	Samuel Kerstein W 9:00am - 9:50am Class time/details on ELMs F 10:00am - 10:50am	Seats (Total: 20) SQH 1120 ONLINE LEF 1221	Discussion
0102	Samuel Kerstein W 9:00am - 9:50am Class time/details on ELMs F 11:00am - 11:50am	Seats (Total: 20) SQH 1120 ONLINE ARC 1125	Discussion
0103	Samuel Kerstein W 9:00am - 9:50am Class time/details on ELMs F 1:00pm - 1:50pm	Seats (Total: 20) SQH 1120 ONLINE EDU 2102	Discussion

PHIL236 **Philosophy of Religion**

Credits: 3 Grading Method: Regular CORE: HO General Education: DSHU

Cross-listed with: RELS236. Credit only granted for: PHIL236 or RELS236.

A philosophical study of some of the main problems of religious thought: the nature of religious experience, the justification of religious belief, the conflicting claims of religion and science, and the relation between religion and morality.

0101	Nathan Lauffer TuTh 3:30pm - 4:45pm	Seats (Total: 30) SKN 1115	

PHIL245 **Political and Social Philosophy I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO General Education: DSHU

A critical examination of such classical political theories as those of Plato, Hobbes, Locke, Rousseau, Mill, Marx, and such contemporary theories as those of Hayek, Rawls, and recent Marxist thinkers.

0101	Avia Pasternak MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) PLS 1140 KNI 1103	Discussion
0102	Avia Pasternak MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) PLS 1140 SQH 1123	Discussion

0103	Avia Pasternak MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 ASY 3217	Discussion

PHIL269M **Special Topics in Study Abroad II; Moral Philosophy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

PHIL269Y **Special Topics in Study Abroad II; Truth & Reality**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

PHIL310 **Ancient Greek and Roman Philosophy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: Must have completed 6 credits in philosophy or classics. Cross-listed with: CLAS310, PHPE308Y. Credit only granted for: PHIL310, CLAS310, or PHPE308Y.

A study of the origins and development of philosophy in ancient Greece and Rome, focusing on Socrates, Plato, Aristotle, the Epicureans, and Stoics.

Cross-listed with PHPE308Y and CLAS310. Credit only granted for PHIL310, PHPE308Y, or CLAS310.

0101	Lixing Miao TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 20) TYD 0117 TWS 1100	Discussion
0102	Lixing Miao TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 20) TYD 0117 TYD 0117	Discussion
0103	Lixing Miao TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 20) TYD 0117 SYM 0200	Discussion

PHIL338R **Studies in Value Theory; Life's Meaning**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Problems, issues and points of view in ethics, aesthetics, political philosophy and related areas.

This course will introduce students to a range of questions concerning life's meaning. What is the meaning of life? Does it have a single meaning or any meaning(s) at all? What kind of meaning is even at issue when we inquire into life's meaning? Is a meaningful life a good life? Are things like pleasure, knowledge, beauty, or achievements ingredients of a good life? Why if so? If life can be meaningful, then it seems like it makes sense to want it to never end- it makes sense to want to be immortal. But does it? Could an immortal life be a meaning ful life? If not, then that seems to suggest that death isn't so bad. But death also seemsquite bad! What is it about death that makes it bad? Is it possible to make sense of death in a philosophically rigorous way? These are some of the many questions that will be explored in this course, using texts and tools from the intellectual tradition of contemporary analytic Western philosophy.

0101	Nicholas Laskowski TuTh 11:00am - 12:15pm	Seats (Total: 30) ARC 1105

PHIL341 **Ethical Theory**

Credits: 3 Grading Method: Regular

Prerequisite: 6 credits in PHIL courses.

A critical examination of classical and contemporary systems of ethics, such as those of Aristotle, Kant, Mill, and Rawls.

Prerequisite: 6 credit hours in philosophy.

0101	Nicholas Laskowski TuTh 2:00pm - 3:15pm	Seats (Total: 30) SQH 2120

PHIL344 **Philosophy of Race**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVUP

Credit only granted for: PHIL344 or PHIL308Y. Formerly: PHIL308Y.

A survey of philosophical arguments involving race and racism. Guiding questions will include: How have philosophers and scientists conceived of the concept of race? Is race a coherent concept? Does it help us explain differences in performance and behavior? What makes racism, racial prejudice, and discrimination wrong? What is the point of equality? Do we owe reparations to victims of racism?

Cross-listed with PHPE308O. Credit only granted for PHIL344 or PHPE308O.

0101	Kodie Lustig TuTh 9:30am - 10:45am	Seats (Total: 30) LEF 1201

PHIL364 **Metaphysics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in PHIL courses. Formerly: PHIL464.

The study of some central metaphysical concepts and issues including the nature and validity of metaphysical thinking, universals, identity, substance, time, God, and reality.

0101	Harjit Bhogal	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	LEF 1201

PHIL366 **Philosophy of Mind**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in PHIL courses.

An introduction to core issues in the philosophy of mind, focusing especially on the basic metaphysical question of dualism versus physicalism.

0101	Elizabeth Schechter	Seats (Total: 30)
	MW 2:00pm - 3:15pm	WDS 0104

PHIL370 **Logical Theory I: Metatheory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHIL271 or CMSC250; or permission of the instructor.

This course is an introduction to logical "metatheory", that is, to logical reasoning about logic systems themselves. Topics include alternative alternative proof-theoretic presentations of logical systems as well as soundness and completeness theorems for propositional and first-order logic. Along the way, we will deepen our understanding of the elementary set-theoretic concepts underlying first order logic. Other topics may include basic results in the semantics of first order logic (such as the Craig interpolation theorem, the Beth definability theorem, or the Lowenhein-Skolem theorem).

0101	Ilaria Canavotto	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	LEF 1201

PHIL386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of ARHU-Philosophy department; and junior standing or higher.

Consult Director of Undergraduate Studies: C. Manekin. Prerequisites: 12 credit hours of philosophy and 3.0 GPA. Carries no credit toward philosophy major.

Contact department for information to register for this course.

PHIL412 **The Philosophy of Plato**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in PHIL courses.

A critical study of selected dialogues.

Cross-listed with PHPE408J. Credit only granted for PHIL412 or PHPE408J.

0101	Rachel Singpurwalla	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	TWS 1107

PHIL418O **Topics in Epistemology/Metaphysics; Heidegger: Ontology, Temporality and Truth**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An intensive examination of contemporary problems and issues in epistemology or metaphysics. Source material will be selected from recent books and articles.

In this course, we will be reading Martin Heidegger's Being and Time, along with some other essays of his. The focus of the class will be Heidegger's concept of ontology and his critique of other views. We willlook at his views of the self and of being with others and what roletemporal concepts play in understanding the different aspects of existence. We will also discuss his concepts of truth and language. Some familiarity with the history of philosophy would be useful.

0101	Daniel Blair	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	LEF 0135

PHIL428D **Topics in the History of Philosophy; Political Realism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisites: While not strictly required, prior knowledge in political philosophy, social theory, or intellectual history would be very helpful. Cross-listed with PHPE308D. Credit only granted for PHIL428D or PHPE308D. Examines major historical texts and contemporary perspectives that have been associated with realist political theory. Historical authors discussed include Niccol Machiavelli, Thomas Hobbes, David Hume, Adam Smith, James Madison, and Max Weber. Contemporary authors range from Judith Shklar to Charles W. Mills. Through close engagement with these texts, students will obtain basic intellectual tools to form their own judgments about how to be realistic yet critical toward core political institutions and practices, including the sovereign state, private property, competitive elections, party politics, personal leadership, and protestsagainst existing laws.

0101	Xinzhi Zhao	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	HBK 1108

PHIL445 **Contemporary Political Philosophy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must have completed 3 credits in philosophy or political theory; or permission of ARHU-Philosophy department. And sophomore standing or higher.

Major trends in contemporary political philosophy: liberal, libertarian, communitarian, socialist, feminist.

Crosslisted with PHPE408R. Credit only granted for PHIL445 or PHPE408R.

0101	Xinzhi Zhao	Seats (Total: 25)
	TuTh 8:00am - 9:15am	EDU 3233

PHIL469Y **Study Abroad Special Topics IV; Philosophy of Science II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

PHIL498F **Topical Investigations; Topical Investigation**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498G **Topical Investigations; Topical Investigation**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL660 **Metaphysics, Mind, and Language**

Credits: 3 Grading Method: Regular, Audit

A basic course on selected issues in metaphysics, philosophy of mind, and philosophy of language for beginning graduate students, covering a number of topics in depth, to provide a springboard for further study and research in the area.

0101	Harjit Bhogal	Seats (Total: 15)
	Tu 9:30am - 12:00pm	SKN 1116

PHIL788G **Research in Philosophy; Research in Philosophy**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Contact department for information to register for this course.

PHIL788I **Research in Philosophy; Research in Philosophy**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Contact department for information to register for this course.

PHIL799 **Master's Thesis Research; Masters Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

PHIL808B **Seminar in the Problems of Philosophy**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

0101	Samuel Kerstein W 2:30pm - 5:00pm	Seats (Total: 15) SKN 1116

PHIL808K **Seminar in the Problems of Philosophy**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

0101	Paolo Santorio Tu 2:00pm - 4:30pm	Seats (Total: 15) SKN 1116

PHIL848B **Seminar in Ethics**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

0101	Hallie Liberto Th 2:00pm - 4:30pm	Seats (Total: 15) SKN 1116

PHIL878B **Seminar in Cognitive Studies**

Credits: 3-9 Grading Method: Regular, Audit, Sat-Fail

Methodology and research in various disciplines involved in cognitive studies.

0101	Peter Carruthers M 3:00pm - 5:30pm	Seats (Total: 15) SKN 1116

PHIL888 **Professional Mentoring for Doctoral Students**

Credits: 1-3 Grading Method: Sat-Fail

Work with a faculty advisor on various aspects of professional development.

Contact department for information to register for this course.

PHIL889 **Pedagogical Mentoring for Doctoral Students**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Work with a faculty advisor to develop and improve pedagogical skills.

Contact department for information to register for this course.

PHIL898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

PHIL899 **Doctoral Dissertation Research; Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

PHPE Philosophy, Politics, and Economics Fall 2025

PHPE308D **Special Topics in Philosophy, Politics, and Economics; Political Realism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A sustained investigation of a topic at the intersection of philosophy, politics and economics.

Cross-listed with PHIL428D. Credit only granted for PHIL428D or PHPE308D.

0101	Xinzhi Zhao	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	HBK 1108

PHPE308M **Special Topics in Philosophy, Politics, and Economics; Fairness**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A sustained investigation of a topic at the intersection of philosophy, politics and economics.

Discussions about fairness have long been central to game theory, social choice theory, political philosophy, and ethics. These fields examine equitable resource distribution, just decision-making, and conflict resolution that respects everyone s rights and interests. The rise of AI---especially machine learning---extends these concerns to algorithms that may amplify existing biases. This course investigates how fairness shapes individual and collective choices and how it is incorporated into both human and automated decision-making systems.

0101	Eric Pacuit	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TWS 0223

PHPE308N **Special Topics in Philosophy, Politics, and Economics; AI and the Human Experience**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A sustained investigation of a topic at the intersection of philosophy, politics and economics.

This course offers a broad overview of key concepts in artificial intelligence (AI) from the perspective of the humanities. Topics include: central applications, the ethics of AI deployment, the way it interacts with social justice, the space for AI creativity and art, the degree to which AI systems are rational, and the opportunities AI technology presents for advancing scientific understanding and enhancing human well-being. Throughout the course, students will explore fundamental questions about AI, as well as its historical development. They will also be introduced to a range of modern AI technologies, such as recommender systems, large-language models, facial recognition, and predictive analytics, discussing both their positive impacts and potential negative consequences.

0101	Fabrizio Cariani	Seats (Total: 30)	
	TuTh 3:30pm - 4:45pm Class time/details on ELMs	PHY 1204 ONLINE	Discussion

PHPE308O **Special Topics in Philosophy, Politics, and Economics; Ethical Theory**

Credits: 3 Grading Method: Regular

A sustained investigation of a topic at the intersection of philosophy, politics and economics.

Prerequisite: 6 credits in PHIL courses. Cross-listed with PHPE308O. Credit only granted for PHIL341 or PHPE308O. A critical examination of classical and contemporary systems of ethics, such as those of Aristotle, Kant, Mill, and Rawls.

0101	Nicholas Laskowski	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	SQH 2120

PHPE308R **Special Topics in Philosophy, Politics, and Economics; Life's Meaning**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A sustained investigation of a topic at the intersection of philosophy, politics and economics.

0101	Nicholas Laskowski	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	ARC 1105

PHPE308Y **Ancient Greek and Roman Philosophy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: Must have completed 6 credits in philosophy or classics. Cross-listed with: PHIL310, CLAS310. Credit only granted for: PHIL310, CLAS310, or PHPE308Y.

A study of the origins and development of philosophy in ancient Greece and Rome, focusing on Socrates, Plato, Aristotle, the Epicureans, and Stoics.

Cross-listed with PHIL310 and CLAS310. Credit only granted for PHIL310, PHPE308Y, or CLAS310.

0101	Lixing Miao TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 20) TYD 0117 TWS 1100	Discussion
0102	Lixing Miao TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 20) TYD 0117 TYD 0117	Discussion
0103	Lixing Miao TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 20) TYD 0117 SYM 0200	Discussion

PHPE386 **Experiential Learning Practicum in Philosophy, Politics, and Economics**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher.

For students who wish to gain experience working in research outside the classroom. Pending approval of the department, students may work at a professional site or remotely under professional supervision - your primary supervisor must be a professional in the field. Beyond working at a professional site or under professional supervision, students will have to complete further assignments to receive a passing grade in the course. Students may take PHPE386 for three-six credits, but only three credits will count towards the major requirements. PHPE386 is only open to those with junior standing or above.

Contact department for information to register for this course.

PHPE400 **Individual and Group Decision-Making**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Philosophy, Politics and Economics major; and must have junior standing or higher; or permission of instructor .

Foundational issues that arise within the theories of rational choice that underlie the treatments of decision-making found in economics, politics, and the other social sciences. The course is focused on individual decisions (rational choice theory), strategic decisions (game theory) and group decisions (social choice theory). In addition to presenting the formal models of decision making, we also discuss to what extent these mathematical theories explain social interactions. An important aspect of the course is to introduce students to the ways in which economic analysis has been applied to issues in social and political philosophy. Readings will be drawn from the literature in economics, psychology, statistics and political science, as well as philosophy.

For 2023 academic year, PHPE400 is only being offered in the Fall semester. Credit only granted for PHPE400 or GVPT449D.

0101	Eric Pacuit MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 18) TWS 0310 ESJ B0322	Discussion
0102	Eric Pacuit MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 18) TWS 0310 ESJ B0322	Discussion
0103	Eric Pacuit MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 20) TWS 0310 KEY 0116	Discussion

PHPE401 **Social Philosophy and Political Economy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Philosophy, Politics and Economics major; and must have junior standing or higher; or permission of instructor.

Examines capitalism and socialism as differing modes of economic production through several different theoretical lenses. We begin by examining capitalism and socialism as they developed historically, by looking primarily at the work of Adam Smith and Karl Marx. Then, we turn our attention to one of the most important debates in 20th century economics: to what extent rational economic calculation is possible in a socialist commonwealth. After this we turn our attention to how capitalist and socialist modes of production functioned in practice. We end by turning our attention to the ethics of capitalism and socialism: which mode of economic production is most just?

0101	Xinzhi Zhao TuTh 12:30pm - 1:45pm	Seats (Total: 25) ASY 3207	

PHPE402 **Senior Capstone in Philosophy, Politics, and Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be a PHPE (Philosophy, Politics & Economics) major with senior standing; or permission of instructor.

Senior capstone course for the Philosophy, Politics, and Economics major. The exact content of the course will be determined by the instructor who teaches it. The purpose of the course is to pursue sustained inquiry on a narrow philosophical topic, using the tools and methods from economics and political science to help analyze the topic. The course ends with a substantial research paper, where the student should demonstrate an ability to use the tools of philosophy, political science, and economics in his or her analysis.

0101	Dan Moller TuTh 3:30pm - 4:45pm	Seats (Total: 30) VMH 1203	

PHPE408J **Advanced Topics in Philosophy, Politics, and Economics; The Philosophy of Plato**

Credits: 3 Grading Method: Regular, Pass-Fail

A sustained investigation of a topic at the intersection of philosophy, politics and economics.

Cross-listed with PHIL412. Credit only granted for PHIL412 or PHPE408J. A critical study of selected dialogues.

0101	Rachel Singpurwalla	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	TWS 1107

PHPE408R **Advanced Topics in Philosophy, Politics, and Economics; Contemporary Political Philosophy**

Credits: 3 Grading Method: Regular, Pass-Fail

A sustained investigation of a topic at the intersection of philosophy, politics and economics.

Restriction: Must have completed 3 credits in philosophy or political theory; or permission of ARHU-Philosophy department. And sophomore standing or higher. Cross-listed with PHIL445. Credit only granted for PHIL445 or PHPE408R. Major trends in contemporary political philosophy: liberal, libertarian, communitarian, socialist, feminist.

0101	Xinzhi Zhao	Seats (Total: 25)
	TuTh 8:00am - 9:15am	EDU 3233

PHSC Public Health Science Fall 2025

PHSC201 **The Pursuit of Career Success in Public Health Science**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Public Health Science program. Credit only granted for: PHSC388D or PHSC201. Formerly: PHSC388D.

Explore the dynamic connection between experiential learning and career readiness in the field of public health by engaging with insightful podcasts that bring real-world perspectives to the forefront. Through active learning, you will evaluate your skill set, reflect on your experiences, analyze industry trends, and uncover best practices essential for success in the public health workforce. This course is designed to help you bridge the gap between your current abilities and your career aspirations. By strategically planning your curricular and co-curricular engagement, you'll develop a roadmap tailored to your unique goals. This personalized action plan will empower you to navigate your career path moving fearlessly forward.

0101	Shannon Edward	Seats (Total: 30)	
	Meets October 20, 2025 - December 12, 2025		
	W 10:00am - 10:50am	SPH 0303	
	Class time/details on ELMs	ONLINE	

PHSC300 **Foundations of Public Health**

Credits: 3 Grading Method: Regular, Pass-Fail

Restriction: Must be a major within the School of Public Health. Credit only granted for: SPHL100 or PHSC300.

An overview of the goals, functions, and methods of public health. After an introduction to the core concepts and tools used in public health research and practice, applications of these methodologies are considered in the context of current controversies/problems in public health. Students work together to develop strategies for prevention and control that take into consideration different points of view, outside research, and impacts on individuals and communities.

ESG1	Shuling Wu	Seats (Total: 35)	
	Th 10:30am - 1:00pm	BLD3 3203	
	Class time/details on ELMs	ONLINE	Discussion
	Restricted to Shady Grove students in the Public Health Science major.		

PHSC388E **Special Topics in Public Health Science; Peer Mentoring**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Will differ by specific course offering.

Contact department for information to register for this course.

PHSC389 **Independent Research Study in Public Health Science**

(Perm req)

Credits: 1-6 Grading Method: Regular

This independent research-based experience will provide the opportunity for students to work with individual research mentors in the area of Public Health Science. Students must identify a mentor prior to obtaining departmental permission.

0101	Shannon Edward	Seats (Total: 30)
	Contact instructor or department for details.	
	Restricted to College Park students in the Public Health Science major.	
ESG1	Shannon Edward	Seats (Total: 20)
	Contact instructor or department for details.	
	Restricted to Shady Grove students in the Public Health Science major.	

PHSC399 **Public Health Science Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular

The Public Health Science internship will enable students to gain practical experience under conditions conducive to academic, research and professional development. The internship is a time-limited, supervised period of public health professional experience carried out in a related professional organization or research setting.

0101	Shannon Edward	Seats (Total: 30)		
	Contact instructor or department for details.			
	Restricted to College Park students in the Public Health Science major.			
ESG1	Shannon Edward	Seats (Total: 20)		
	Contact instructor or department for details.			
	Restricted to Shady Grove students in the Public Health Science major.			

PHSC415 **Essentials of Public Health Biology: The Cell, The Individual, and Disease**

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in BSCI202. Recommended: BSCI223. Restriction: Must be in Public Health Science program; and junior standing or higher. Credit only granted for: PHSC415, SPHL415 or SPHL498J. Formerly: SPHL415 and SPHL498J.

Presents the basic scientific and biomedical concepts of modern public health problems and explores in depth mechanisms and models of the major categories of disease. The biologic principles presented are foundations to public health disease prevention, control, or management programs.

0101	Jessica O'Hara	Seats (Total: 35)		
	W 1:00pm - 1:50pm Class time/details on ELMs W 2:00pm - 2:50pm	LEF 2205 ONLINE TWS 0207		Discussion
	Restricted to College Park students in the Public Health Science major.			
0102	Jessica O'Hara	Seats (Total: 35)		
	W 1:00pm - 1:50pm Class time/details on ELMs W 3:00pm - 3:50pm	LEF 2205 ONLINE TWS 0207		Discussion
	Restricted to College Park students in the Public Health Science major.			
0103	Jessica O'Hara	Seats (Total: 35)		
	W 1:00pm - 1:50pm Class time/details on ELMs Th 12:30pm - 1:20pm	LEF 2205 ONLINE BPS 1228		Discussion
	Restricted to College Park students in the Public Health Science major.			

0104	Jessica O'Hara W 1:00pm - 1:50pm Class time/details on ELMs Th 2:00pm - 2:50pm	Seats (Total: 35) LEF 2205 ONLINE BPS 1228	Discussion
	Restricted to College Park students in the Public Health Science major.		
0105	Jessica O'Hara W 1:00pm - 1:50pm Class time/details on ELMs Th 3:00pm - 3:50pm	Seats (Total: 35) LEF 2205 ONLINE BPS 1228	Discussion
	Restricted to College Park students in the Public Health Science major.		
ESG1	Mark Scheckelhoff M 5:00pm - 7:30pm	Seats (Total: 35) BLD3 4211	
	Restricted to Shady Grove students in the Public Health Science major.		

PHSC420 **Vaccines and Immunology**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in BSCI202. Recommended: CHEM231. Restriction: Must have earned a minimum of 60 credits. And must be in Public Health Science program; or permission of instructor.

An exploration of immunology and vaccines through a public health lens. We will examine the cells, systems, and molecules that comprise the human immune system and defend your body against disease. In addition, we will discuss the strategies used during vaccine development including the history and future of vaccination and how increased understanding of the immune system has allowed scientists to improve and refine the process. Finally we will examine the current social and political situation surrounding vaccination and the roles and responsibility of public health practitioners.

0101	Jennifer German TuTh 12:30pm - 1:45pm	Seats (Total: 35) SPH 1301

PHSC425 **Genetics, Genomics, and Public Health**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Must have completed BSCI170 and 171 with a C- or higher. Recommended: BSCI222 and BSCI223. Restriction: Must have earned a minimum of 60 credits; and must be in Public Health Science program. Credit only granted for: SPHL498X OR PHSC425. Formerly: SPHL498X.

Recent advances in genomic science and biomedical technologies have increased our understanding of the genetic basis of disease and the interplay between genetics and environmental and behavioral factors. This course will provide a solid background in basic genetics and genomic science and highlight the role of public health professionals in translating breakthroughs in this rapidly transforming field into the clinical setting, program planning, and policy. Topics covered will include the molecular basis for genetic variation, fetal and newborn screening, genetic risk factors for cancer, pharmacogenetics, the role of pathogen genomics in outbreak investigation, and applications of genetic engineering in solving public health issues.

0101	Jennifer German	Seats (Total: 20)
	TuTh 9:30am - 10:45am	SPH 0116A

PHSC440 **Public Health Nutrition**

Credits: 3 Grading Method: Regular

Prerequisite: A minimum of C- in BSCI170, BSCI171, CHEM131, CHEM132 and EPIB301. Restriction: Must be in Public Health Science program. Credit only granted for: PHSC440 or NFSC498L.

Engages students in conceptual thinking about the relationship between public health and nutritional health. Students will analyze and interpret "A Framework for Public Health Nutrition." Students will identify determinants of nutritional health, assess nutritional health in individuals and populations, develop strategies to mitigate these issues, and analyze and evaluate public health nutrition policies.

0101	Kendall Bustad	Seats (Total: 35)
	W 1:00pm - 1:50pm	ESJ B0324
	Class time/details on ELMs	ONLINE

PHSC442 **Stress, Resiliency, and Community: A Public Health Approach**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: HLTH285: Controlling Stress and Tension. Restriction: Must be in the PHSC or HLTH major. Cross-listed with: HLTH442. Credit only granted for: PHSC442 or HLTH442.

This course is tailored for upper-level public health students and focuses on the comprehensive understanding and management of stress at both the personal and community levels. Through this course, students will explore the scientific foundations of stress and examine its physiological and psychological impacts on health. Emphasis will be placed on evidence-based strategies for stress management, with practical applications for personal stress reduction and the design of community-based interventions. By the end of this course, students will be equipped to effectively address stress-related challenges in diverse public health contexts.

Credit only granted for PHSC442 or HLTH442.

0201	Gayle Reznikov	Seats (Total: 20)
	Class time/details on ELMs	ONLINE
	Restricted to students in the Public Health Practice major.	

ESG1	Gayle Reznikov Class time/details on ELMs *Restricted to Shady Grove students in the Public Health Science major.*	Seats (Total: 18) ONLINE	

PHSC450 **Addressing Social and Structural Inequities Through Public Health**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVUP

Prerequisite: Minimum grade of C- in MIEH300; and 1 course with a minimum grade of C- from either SPHL100 or PHSC300.

A focus on addressing social and structural inequities within race, gender, disability, and class through various perspectives in the field of public health. Students explore the causes, challenges, consequences, and extent these injustices have on health disparities from local, national, and global perspectives. Students view these inequities through the lens of the affected populations, and work interactively and collaboratively to interpret, design, and evaluate public health interventions and approaches to address key health disparities within specific communities. The aim of this course is to help students define appropriate research and address structural inequities with innovative approaches through the professional practice of public health.

Restricted to College Park students in the Public Health Science major (12140).

0101	Kendall Bustad MW 3:00pm - 3:50pm Th 8:00am - 8:50am	Seats (Total: 20) ESJ 0202 SPH 0116B	Discussion
0102	Kendall Bustad MW 3:00pm - 3:50pm Th 9:30am - 10:20am	Seats (Total: 20) ESJ 0202 SPH 0116B	Discussion
0103	Kendall Bustad MW 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 20) ESJ 0202 SPH 0116B	Discussion
0104	Kendall Bustad MW 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) ESJ 0202 SPH 0116B	Discussion
0105	Kendall Bustad MW 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) ESJ 0202 SPH 0116B	Discussion

0106	Kendall Bustad MW 3:00pm - 3:50pm Th 4:00pm - 4:50pm	Seats (Total: 20) ESJ 0202 SPH 0116B	Discussion
0107	Kendall Bustad MW 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 20) ESJ 0202 SPH 0225	Discussion
0108	Kendall Bustad MW 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 20) ESJ 0202 SPH 0225	Discussion

PHSC497 **Public Health Science Capstone**

Credits: 3 Grading Method: Regular General Education: DSSP

Prerequisite: Must have completed the professional writing requirement with a C- or higher; and minimum grade of C- in PHSC450. Restriction: Must have earned a minimum of 100 credits; and must be in Public Health Science program; and must be in the final semester of undergraduate study. Credit only granted for: SPHL498F or PHSC497. Formerly: SPHL498F.

The capstone course is the culminating experience for Public Health Science students and must be taken only in the final semester of study. The Public Health Science capstone course is designed to challenge students to integrate the five core areas of public health in investigating, researching and addressing public health issues. Throughout the semester, students will be required to evaluate, analyze and synthesize scholarly works as they research and propose solutions to a variety of public health issues. By the conclusion of this research based course, students will understand how the various public health perspectives can combine in addressing and informing public health practices.

0101	Kendall Bustad M 4:00pm - 6:30pm	Seats (Total: 20) ESJ B0322	
0301	Kevin Glasz Tu 4:00pm - 6:30pm	Seats (Total: 20) SPH 0116B	
0601	Jennifer German W 4:00pm - 6:30pm	Seats (Total: 20) SPH 0116B	
ESG1	Ann Truelove Th 4:30pm - 7:00pm	Seats (Total: 20) BLD3 2203	
	Restricted to Shady Grove students in the Public Health Science major.		

PHYS Physics Fall 2025

PHYS102 **Physics of Music**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNL (if taken with PHYS103)

Prerequisite: Must have math eligibility of MATH107 or higher. Credit only granted for: PHYS102 and PHYS499C. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS103.

A study of the physical basis of sound, acoustical properties of sound, the human ear and voice, reproduction of sound, electronic music, acoustical properties of auditoriums, and other selected topics.

0101	Matt Severson TuTh 9:30am - 10:45am	Seats (Total: 142) PHY 1410	

PHYS103 Physics of Music Laboratory

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Optional laboratory to accompany PHYS 102. Laboratory experiments, including the velocity of sound, sound quality and wave shape, traveling and standing waves, fourier synthesis and analysis, musical synthesizer, psychoacoustics, and audio equipment.

0101	Abolhassan Jawahery Th 11:00am - 12:50pm	Seats (Total: 24) PHY 3220	Lab
0501	Abolhassan Jawahery F 12:00pm - 1:50pm	Seats (Total: 24) PHY 3220	Lab
0701	Abolhassan Jawahery W 3:00pm - 5:00pm	Seats (Total: 24) PHY 3220	Lab
0801	Abolhassan Jawahery W 1:00pm - 2:50pm	Seats (Total: 24) PHY 3220	Lab

PHYS105 A Global Challenge: Energy and Climate Change

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS, SCIS

Additional information: This course is aimed at the non-science major.

How will the world address the energy needs of a growing population and its impact on climate change? This class will explore potential solutions to mitigate our atmospheric impact, including technological innovations and policy measures. Additionally, we will analyze the roles of economics, government, and industry in shaping our responses within the context of modern science.

0103	Jordan Goodman MWF 1:00pm - 1:50pm	Seats (Total: 30) PHY 1402

PHYS111 **Physics in the Modern World**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS

A survey course in general physics emphasizing the role that physics plays in science, technology, and society today. The course is concept oriented and minimal use of mathematics is made. Intended for the general student; does not satisfy the requirements of the professional schools.

Contact department for information to register for this course.

PHYS115 **Inquiry into Physics**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Recommended: High School Physics. Restriction: Must not have completed PHYS117; and must be in one of the following programs (Elementary Education; Early Childhood Education; Middle School Education). Credit only granted for: PHYS115 or PHYS117.

Intended for students majoring in neither the physical nor the biological sciences. Use of laboratory-based and inquiry-based methods to study some of the basic ideas of physical sciences.

0101	Laura Lising	Seats (Total: 20)	
	MWF 1:00pm - 1:50pm	PHY 3316	Lab
	MWF 2:00pm - 2:50pm	PHY 3316	Discussion
0201	Arpita Upadhyaya	Seats (Total: 20)	
	MWF 9:00am - 9:50am	PHY 3316	Lab
	MWF 10:00am - 10:50am	PHY 3316	Discussion

PHYS121 **Fundamentals of Physics I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Prerequisite: MATH113 or MATH115. Credit only granted for: PHYS121, PHYS131, or PHYS331.

The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools.

Physics clinic, PHY 1214, MTWHF 11,1. If purchasing used books additional software may be required. Students must pay a $50.00 laboratory materials fee.

0201	Aria Heidarian	Seats (Total: 28)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	M 10:00am - 11:50am	PHY 3306	Lab
	M 9:00am - 9:50am	PHY 1402	Discussion

0202	Aria Heidarian	Seats (Total: 29)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	M 2:00pm - 3:50pm	PHY 3306	Lab
	M 1:00pm - 1:50pm	PHY 1204	Discussion
0203	Aria Heidarian	Seats (Total: 29)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Tu 9:00am - 10:50am	PHY 3306	Lab
	Tu 8:00am - 8:50am	PHY 1402	Discussion
0204	Aria Heidarian	Seats (Total: 29)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Tu 3:00pm - 4:50pm	PHY 3306	Lab
	Tu 2:00pm - 2:50pm	MTH 0101	Discussion
0205	Aria Heidarian	Seats (Total: 28)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	W 5:00pm - 6:50pm	PHY 3306	Lab
	W 4:00pm - 4:50pm	PHY 1402	Discussion
0206	Aria Heidarian	Seats (Total: 28)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	W 3:00pm - 4:50pm	PHY 3306	Lab
	W 2:00pm - 2:50pm	PHY 1204	Discussion
0401	Peter Shawhan	Seats (Total: 28)	
	TuTh 6:30pm - 7:45pm	PHY 1410	
	M 8:00pm - 9:50pm	PHY 3306	Lab
	M 7:00pm - 7:50pm	PHY 1402	Discussion
0402	Peter Shawhan	Seats (Total: 28)	
	TuTh 6:30pm - 7:45pm	PHY 1410	
	W 8:00pm - 9:50pm	PHY 3306	Lab
	W 7:00pm - 7:50pm	PHY 1402	Discussion
0405	Peter Shawhan	Seats (Total: 17)	
	TuTh 6:30pm - 7:45pm	PHY 1410	
	Tu 8:00pm - 9:50pm	PHY 3306	Lab
	Th 8:00pm - 8:50pm	PHY 1402	Discussion

SEF1	Peter Shawhan	Seats (Total: 11)	
	TuTh 6:30pm - 7:45pm Tu 8:00pm - 9:50pm Th 8:00pm - 8:50pm	PHY 1410 PHY 3306 PHY 1402	 Lab Discussion
	Must be in the Science in the Evening (SIE) program.		

PHYS122 **Fundamentals of Physics II**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Prerequisite: PHYS121; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS122, PHYS132, or PHYS332.

A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools.

Physics clinic, PHY 1214, MTWHF 12,2. If purchasing used books additional software may be required. Students must pay a $50.00 laboratory materials fee.

0101	Aria Heidarian	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm M 4:00pm - 5:50pm M 3:00pm - 3:50pm	PHY 1410 PHY 3314 PHY 1219	 Lab Discussion
0102	Aria Heidarian	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm Tu 10:00am - 11:50am Th 10:00am - 10:50am	PHY 1410 PHY 3314 PHY 1219	 Lab Discussion
0105	Aria Heidarian	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm Tu 4:00pm - 5:50pm Th 4:00pm - 4:50pm	PHY 1410 PHY 3314 PHY 1219	 Lab Discussion
0401	Alexander Conte	Seats (Total: 15)	
	MW 6:00pm - 7:15pm M 7:30pm - 9:20pm W 7:30pm - 8:20pm	PHY 1201 PHY 3314 PHY 1219	 Lab Discussion
SEF1	Alexander Conte	Seats (Total: 9)	
	MW 6:00pm - 7:15pm M 7:30pm - 9:20pm W 7:30pm - 8:20pm	PHY 1201 PHY 3314 PHY 1219	 Lab Discussion
	Must be in the Science in the Evening (SIE) program.		

PHYS131 **Fundamentals of Physics for Life Sciences I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131; and (MATH136 or MATH140); and (BSCI160 and BSCI161; or BSCI106); and (BSCI170 and BSCI171; or BSCI105). Credit only granted for: PHYS121, PHYS131, or PHYS331.

The first part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic mechanics including forces and energy, properties of matter, and thermodynamics done in authentic biological contexts.

Students must pay a $50.00 laboratory materials fee.

0101	David Buehrle MWF 10:00am - 10:50am Tu 9:00am - 11:50am	Seats (Total: 25) PHY 1412 PHY 3310	 Lab
0102	David Buehrle MWF 10:00am - 10:50am Th 9:00am - 11:50am	Seats (Total: 24) PHY 1412 PHY 3310	 Lab
0103	David Buehrle MWF 10:00am - 10:50am Tu 12:00pm - 2:50pm	Seats (Total: 24) PHY 1412 PHY 3310	 Lab
0104	David Buehrle MWF 10:00am - 10:50am Th 12:00pm - 2:50pm	Seats (Total: 24) PHY 1412 PHY 3310	 Lab
0105	David Buehrle MWF 10:00am - 10:50am Tu 3:00pm - 5:50pm	Seats (Total: 24) PHY 1412 PHY 3310	 Lab
0106	David Buehrle MWF 10:00am - 10:50am Th 3:00pm - 5:50pm	Seats (Total: 24) PHY 1412 PHY 3310	 Lab
0107	David Buehrle MWF 10:00am - 10:50am M 6:00pm - 8:50pm	Seats (Total: 24) PHY 1412 PHY 3310	 Lab

0108	David Buehrle MWF 10:00am - 10:50am W 6:00pm - 8:50pm	Seats (Total: 24) PHY 1412 PHY 3310	 Lab
0127	David Buehrle MWF 10:00am - 10:50am Tu 6:00pm - 8:50pm	Seats (Total: 5) PHY 1412 PHY 3310	 Lab
0128	David Buehrle MWF 10:00am - 10:50am Th 6:00pm - 8:50pm	Seats (Total: 3) PHY 1412 PHY 3310	 Lab
0201	David Buehrle TuTh 2:00pm - 3:15pm M 9:00am - 11:50am	Seats (Total: 24) PHY 1412 PHY 3310	 Lab
0202	David Buehrle TuTh 2:00pm - 3:15pm W 9:00am - 11:50am	Seats (Total: 24) PHY 1412 PHY 3310	 Lab
0203	David Buehrle TuTh 2:00pm - 3:15pm M 12:00pm - 2:50pm	Seats (Total: 24) PHY 1412 PHY 3310	 Lab
0204	David Buehrle TuTh 2:00pm - 3:15pm W 12:00pm - 2:50pm	Seats (Total: 24) PHY 1412 PHY 3310	 Lab
0205	David Buehrle TuTh 2:00pm - 3:15pm M 3:00pm - 5:50pm	Seats (Total: 25) PHY 1412 PHY 3310	 Lab
0206	David Buehrle TuTh 2:00pm - 3:15pm W 3:00pm - 5:50pm	Seats (Total: 25) PHY 1412 PHY 3310	 Lab
0207	David Buehrle TuTh 2:00pm - 3:15pm Tu 6:00pm - 8:50pm	Seats (Total: 19) PHY 1412 PHY 3310	 Lab

0208	David Buehrle TuTh 2:00pm - 3:15pm Th 6:00pm - 8:50pm	Seats (Total: 21) PHY 1412 PHY 3310	 Lab

PHYS132 **Fundamentals of Physics for Life Sciences II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS131; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS122, PHYS132, or PHYS332.

The second part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic statistical physics, electricity and magnetism, and optics done in authentic biological contexts.

Students must pay a $50.00 laboratory materials fee.

0101	Wolfgang Losert MWF 12:00pm - 12:50pm Tu 9:00am - 11:50am	Seats (Total: 24) PHY 1410 PHY 3312	 Lab
0103	Wolfgang Losert MWF 12:00pm - 12:50pm Tu 12:00pm - 2:50pm	Seats (Total: 24) PHY 1410 PHY 3312	 Lab
0105	Wolfgang Losert MWF 12:00pm - 12:50pm M 3:00pm - 5:50pm	Seats (Total: 24) PHY 1410 PHY 3312	 Lab
0106	Wolfgang Losert MWF 12:00pm - 12:50pm Tu 3:00pm - 5:50pm	Seats (Total: 24) PHY 1410 PHY 3312	 Lab
0107	Wolfgang Losert MWF 12:00pm - 12:50pm M 6:00pm - 8:50pm	Seats (Total: 24) PHY 1410 PHY 3312	 Lab
0201	Matt Severson TuTh 12:30pm - 1:45pm M 9:00am - 11:50am	Seats (Total: 24) PHY 1412 PHY 3312	 Lab
0203	Matt Severson TuTh 12:30pm - 1:45pm M 12:00pm - 2:50pm	Seats (Total: 24) PHY 1412 PHY 3312	 Lab

0204	Matt Severson TuTh 12:30pm - 1:45pm W 12:00pm - 2:50pm	Seats (Total: 25) PHY 1412 PHY 3312	 Lab
0205	Matt Severson TuTh 12:30pm - 1:45pm W 3:00pm - 5:50pm	Seats (Total: 25) PHY 1412 PHY 3312	 Lab
0206	Matt Severson TuTh 12:30pm - 1:45pm W 6:00pm - 8:50pm	Seats (Total: 24) PHY 1412 PHY 3312	 Lab
0208	Matt Severson TuTh 12:30pm - 1:45pm Tu 6:00pm - 8:50pm	Seats (Total: 24) PHY 1412 PHY 3312	 Lab

PHYS161 **General Physics: Mechanics and Particle Dynamics**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: PS	General Education: DSNL (if taken with PHYS275), DSNS

Prerequisite: Must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171. Additional information: General Education Natural Sciences Lab (DSNL) Course only when taken concurrently with PHYS275.

First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation.

Physics clinic, PHY 1214, MTWHF 11, 2. If purchasing used books additional software may be required.

0101	David Buehrle MWF 3:00pm - 3:50pm Tu 3:00pm - 3:50pm	Seats (Total: 35) PHY 1410 HBK 0109	 Discussion
0102	David Buehrle MWF 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 35) PHY 1410 PHY 2106	 Discussion
0103	David Buehrle MWF 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 36) PHY 1410 HBK 0103	 Discussion

0104	David Buehrle MWF 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 36) PHY 1410 MTH 0304	Discussion
0201	Bei Lok Hu TuTh 11:00am - 12:15pm Th 8:00am - 8:50am	Seats (Total: 35) PHY 1410 PHY 1204	Discussion
0202	Bei Lok Hu TuTh 11:00am - 12:15pm Tu 2:00pm - 2:50pm	Seats (Total: 35) PHY 1410 HBK 0109	Discussion
0203	Bei Lok Hu TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	Seats (Total: 35) PHY 1410 PHY 1219	Discussion
0204	Bei Lok Hu TuTh 11:00am - 12:15pm M 4:00pm - 4:50pm	Seats (Total: 35) PHY 1410 PHY 1402	Discussion
0301	Alberto Belloni MWF 10:00am - 10:50am Th 3:00pm - 3:50pm	Seats (Total: 35) PHY 1410 PHY 1402	Discussion
0302	Alberto Belloni MWF 10:00am - 10:50am Tu 4:00pm - 4:50pm	Seats (Total: 35) PHY 1410 PHY 1219	Discussion
0303	Alberto Belloni MWF 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 35) PHY 1410 MTH 0303	Discussion
0304	Alberto Belloni MWF 10:00am - 10:50am W 3:00pm - 3:50pm	Seats (Total: 35) PHY 1410 PHY 1402	Discussion
0401	Rachel Rice TuTh 2:00pm - 3:15pm F 3:00pm - 3:50pm	Seats (Total: 40) PHY 1201 PHY 0405	Discussion

FC01	Aria Heidarian TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 40) PHY 1204
FC02	Rachel Rice TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 40) PHY 0405

PHYS170 **Professional Physics Seminar**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Corequisite: MATH140. Restriction: Must be in Physics program; or must be in Physics-Education program; or permission of instructor.

Provides a look at some of the major developments of current interest in physics research and discusses the activities physicists undertake in research, education, industry, government, and other areas of the economy.

0201	Donna Hammer W 12:00pm - 12:50pm	Seats (Total: 15) PHY 1219
0202	Donna Hammer W 1:00pm - 1:50pm	Seats (Total: 15) PHY 1219
0301	Thomas Gleason Tu 2:00pm - 2:50pm	Seats (Total: 15) PHY 1402
0302	Thomas Gleason Th 2:00pm - 2:50pm	Seats (Total: 15) PHY 1402

PHYS171 **Introductory Physics: Mechanics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: PS General Education: DSNL (if taken with PHYS275), DSNS

Prerequisite: MATH140; or permission of CMNS-Physics department. Credit only granted for: PHYS141, PHYS161, or PHYS171. Additional information: General Education Natural Sciences Lab (DSNL) Course only when taken concurrently with PHYS275.

First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta.

Jointly offered with PHYS171H.

0201	James Drake	Seats (Total: 58)
	MWF 9:00am - 9:50am Th 9:00am - 9:50am	CHE 2110 CHE 2110

PHYS171H **Introductory Physics: Mechanics**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNL (if taken with PHYS275), DSNS

Prerequisite: MATH140; or permission of CMNS-Physics department. Credit only granted for: PHYS141, PHYS161, or PHYS171. Additional information: General Education Natural Sciences Lab (DSNL) Course only when taken concurrently with PHYS275.

First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta.

Jointly offered with PHYS171.

0201	James Drake	Seats (Total: 58)
	MWF 9:00am - 9:50am Th 9:00am - 9:50am	CHE 2110 CHE 2110

PHYS172 **Succeeding in Physics: Applications, Resources and Concepts**

(Perm req)

Credits: 1 | Grading Method: Sat-Fail

Corequisite: PHYS171. Restriction: Permission of CMNS-Physics department.

Supplemental instruction and support for students taking PHYS171, especially for students with limited high school physics preparation, or who will benefit from extra review and practice of relevant mathematics and physics concepts and skills.

0101	Peter Shawhan	Seats (Total: 15)
	Tu 9:30am - 10:45am	PHY 1219

PHYS174 **Physics Laboratory Introduction**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Corequisite: MATH140. Recommended: High school physics.

Introduces students to the techniques of data gathering and analysis. This course will lay a foundation for higher-level labs in physics and the physical sciences. Students will learn to use laboratory equipment such as calipers, meters, oscilloscopes, and computer interfaces. Techniques of measurement and error analysis will be presented. Students will be taught to use the computer for data analysis with an emphasis on using spreadsheets.

0101	Ki-Yong Kim Tu 10:00am - 11:50am	Seats (Total: 16) PHY 3301	
0201	Ki-Yong Kim W 2:00pm - 3:50pm	Seats (Total: 16) PHY 3301	

PHYS235 **The Manhattan Project**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DSNS, SCIS

Recommended: Students should be comfortable standard high school algebra II. Credit only granted for: PHYS199M or PHYS235. Formerly: PHYS199M.

Introduction to some critical ideas of nuclear physics and a review of some key historical developments starting at the end of the 19th century. Chronological development of nuclear physics from the discovery of radioactivity by Becquerel in 1896 through to the discovery of fission in Germany in 1938 followed by an examination of the programs to develop nuclear weapons in the United States, Britain and Germany. Extensive study of political, ethical, scientific, military, social, and economic issues surrounding the Manhattan Project.

0101	Johnpierre Paglione MW 4:00pm - 4:50pm M 11:00am - 11:50am	Seats (Total: 25) PHY 1410 MTH 0105	Discussion
0103	Johnpierre Paglione MW 4:00pm - 4:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) PHY 1410 PHY 0405	Discussion

PHYS260 **General Physics: Electricity, Magnetism and Thermodynamics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNL (if taken with PHYS261)

Prerequisite: PHYS161 and MATH141. Corequisite: PHYS261. Credit only granted for: PHYS142, PHYS260, or PHYS272.

Second semester of a three-semester calculus-based general physics course. Electrostatics, magnetism, induction, DC and AC circuits; Maxwell's Equations, heat, and thermodynamics.

If purchasing used books additional software may be required.

0101	Wendell Hill MW 4:30pm - 5:45pm Tu 11:00am - 11:50am	Seats (Total: 35) PHY 1412 PHY 1402	Discussion

0102	Wendell Hill MW 4:30pm - 5:45pm W 10:00am - 10:50am	Seats (Total: 35) PHY 1412 PHY 2122	 Discussion
0103	Wendell Hill MW 4:30pm - 5:45pm F 2:00pm - 2:50pm	Seats (Total: 35) PHY 1412 PHY 1219	 Discussion
0105	Wendell Hill MW 4:30pm - 5:45pm F 3:00pm - 3:50pm	Seats (Total: 35) PHY 1412 PHY 1219	 Discussion
0201	Hailu Gebremariam MW 3:00pm - 4:15pm Tu 8:00am - 8:50am	Seats (Total: 39) PHY 1412 PHY 4221	 Discussion
0202	Hailu Gebremariam MW 3:00pm - 4:15pm M 9:00am - 9:50am	Seats (Total: 39) PHY 1412 PHY 4221	 Discussion
0203	Hailu Gebremariam MW 3:00pm - 4:15pm F 3:00pm - 3:50pm	Seats (Total: 39) PHY 1412 PHY 1402	 Discussion
0204	Hailu Gebremariam MW 3:00pm - 4:15pm F 2:00pm - 2:50pm	Seats (Total: 39) PHY 1412 PHY 0405	 Discussion
0205	Hailu Gebremariam MW 3:00pm - 4:15pm W 12:00pm - 12:50pm	Seats (Total: 39) PHY 1412 PHY 0405	 Discussion
0206	Hailu Gebremariam MW 3:00pm - 4:15pm M 4:30pm - 5:20pm	Seats (Total: 39) PHY 1412 PHY 4221	 Discussion
0207	Hailu Gebremariam MW 3:00pm - 4:15pm W 4:30pm - 5:20pm	Seats (Total: 39) PHY 1412 PHY 4221	 Discussion

0301	Michelle Girvan TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 38) ARM 0131 PHY 1402	Discussion
0302	Michelle Girvan TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 38) ARM 0131 PHY 1219	Discussion
0303	Michelle Girvan TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 38) ARM 0131 PHY 1219	Discussion
0304	Michelle Girvan TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 38) ARM 0131 PHY 1219	Discussion
0305	Michelle Girvan TuTh 12:30pm - 1:45pm Tu 11:00am - 11:50am	Seats (Total: 38) ARM 0131 PHY 2208	Discussion
0306	Michelle Girvan TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 38) ARM 0131 PHY 0405	Discussion
0501	Hailu Gebremariam TuTh 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 40) PHY 1412 PHY 4221	Discussion
0502	Hailu Gebremariam TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 38) PHY 1412 CHE 2136	Discussion
0503	Hailu Gebremariam TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 38) PHY 1412 PHY 1219	Discussion
0504	Hailu Gebremariam TuTh 3:30pm - 4:45pm W 10:00am - 10:50am	Seats (Total: 38) PHY 1412 PHY 1219	Discussion

0505	Hailu Gebremariam TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 38) PHY 1412 PHY 0405	Discussion
0506	Hailu Gebremariam TuTh 3:30pm - 4:45pm M 12:00pm - 12:50pm	Seats (Total: 35) PHY 1412 PHY 1219	Discussion

PHYS260H **General Physics: Electricity, Magnetism and Thermodynamics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNL (if taken with PHYS261)

Prerequisite: PHYS161 and MATH141. Corequisite: PHYS261. Credit only granted for: PHYS142, PHYS260, or PHYS272.

Second semester of a three-semester calculus-based general physics course. Electrostatics, magnetism, induction, DC and AC circuits; Maxwell's Equations, heat, and thermodynamics.

If purchasing used books additional software may be required.

0301	Michelle Girvan TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 10) ARM 0131 PHY 1402	Discussion

PHYS261 **General Physics: Mechanics, Vibrations, Waves, Heat (Laboratory)**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS161.

Lab includes experiments on mechanics, vibrations, waves, and heat. Engineering majors are expected to take PHYS260 and PHYS261 in the same semester.

Students must pay a $50.00 laboratory materials fee.

0201	Matt Severson, Andris Skuja M 9:00am - 11:20am	Seats (Total: 36) PHY 3219	Lab
0202	Andris Skuja, Matt Severson Tu 9:00am - 11:20am	Seats (Total: 36) PHY 3219	Lab
0203	Andris Skuja, Matt Severson W 8:00am - 10:20am	Seats (Total: 36) PHY 3219	Lab

0204	Andris Skuja, Matt Severson Th 9:00am - 11:20am	Seats (Total: 36) PHY 3219	Lab
0205	Matt Severson, Andris Skuja M 11:30am - 1:50pm	Seats (Total: 36) PHY 3219	Lab
0206	Matt Severson, Andris Skuja Tu 11:30am - 1:50pm	Seats (Total: 36) PHY 3219	Lab
0207	Matt Severson, Andris Skuja W 11:30am - 1:50pm	Seats (Total: 36) PHY 3219	Lab
0208	Matt Severson, Andris Skuja Th 11:30am - 1:50pm	Seats (Total: 36) PHY 3219	Lab
0209	Matt Severson, Andris Skuja M 2:00pm - 4:20pm	Seats (Total: 36) PHY 3219	Lab
0210	Matt Severson, Andris Skuja Tu 2:00pm - 4:20pm	Seats (Total: 36) PHY 3219	Lab
0211	Andris Skuja, Matt Severson W 2:00pm - 4:20pm	Seats (Total: 36) PHY 3219	Lab
0212	Andris Skuja, Matt Severson Th 2:00pm - 4:20pm	Seats (Total: 36) PHY 3219	Lab
0213	Matt Severson, Andris Skuja M 4:30pm - 6:50pm	Seats (Total: 36) PHY 3219	Lab
0214	Andris Skuja, Matt Severson Tu 4:30pm - 6:50pm	Seats (Total: 36) PHY 3219	Lab
0215	Andris Skuja, Matt Severson W 4:30pm - 6:50pm	Seats (Total: 36) PHY 3219	Lab
0216	Matt Severson, Andris Skuja Th 4:30pm - 6:50pm	Seats (Total: 36) PHY 3219	Lab
0217	Matt Severson, Andris Skuja M 7:00pm - 9:20pm	Seats (Total: 36) PHY 3219	Lab

0218	Matt Severson, Andris Skuja Tu 7:00pm - 9:20pm	Seats (Total: 36) PHY 3219	Lab
0219	Andris Skuja, Matt Severson W 7:00pm - 9:20pm	Seats (Total: 36) PHY 3219	Lab
0220	Andris Skuja, Matt Severson Th 7:00pm - 9:20pm	Seats (Total: 36) PHY 3219	Lab
0221	Andris Skuja, Matt Severson F 9:00am - 11:20am	Seats (Total: 36) PHY 3219	Lab

PHYS265 **Introduction to Scientific Programming**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS171, PHYS141, or PHYS161; or must have scored 3 or higher on AP PHYS C Mechanics exam. Credit only granted for: PHYS165 or PHYS265. Formerly: PHYS165.

Introduction to scientific programming with python. Basic data types, sequences, input/output, and program control flow structures. Evaluation and plotting of mathematical functions and data. Statistical interpretation of data, and fitting of data to models. Introduction to numerical methods including integration, solutions of ordinary differential equations, and linear algebra. Extensive use of the numpy, matplotlib, and scipy packages.

0101	Gregory Sullivan MWF 2:00pm - 2:50pm	Seats (Total: 50) ESJ 2309	

PHYS270 **General Physics: Waves, Optics, Relativity and Modern Physics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNL (if taken with PHYS271)

Prerequisite: PHYS261, MATH241, and PHYS260. Corequisite: PHYS271.

Third semester of a three-semester calculus-based general physics course. Waves, sound, electromagnetic waves, optics, special theory of relativity, and modern physics.

If purchasing used books additional software may be required.

0101	Bei Lok Hu TuTh 5:00pm - 6:15pm Th 2:00pm - 2:50pm	Seats (Total: 38) PHY 1410 CHE 2136	Discussion

0102	Bei Lok Hu TuTh 5:00pm - 6:15pm Th 4:00pm - 4:50pm	Seats (Total: 38) PHY 1410 CHE 2136	Discussion
0103	Bei Lok Hu TuTh 5:00pm - 6:15pm W 9:00am - 9:50am	Seats (Total: 38) PHY 1410 CHE 2136	Discussion
0301	Anson Hook MWF 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 35) PHY 1410 HBK 0103	Discussion
0302	Anson Hook MWF 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 35) PHY 1410 MTH 0106	Discussion
0303	Anson Hook MWF 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 36) PHY 1410 PHY 0405	Discussion
0304	Anson Hook MWF 11:00am - 11:50am F 3:00pm - 3:50pm	Seats (Total: 35) PHY 1410 EGR 2154	Discussion

PHYS271 **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS261. Corequisite: PHYS270.

Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester.

Students must pay a $50.00 laboratory materials fee.

0102	Matt Severson, Andris Skuja M 3:00pm - 5:50pm	Seats (Total: 36) PHY 3213	Lab
0103	Andris Skuja, Matt Severson M 6:00pm - 8:50pm	Seats (Total: 36) PHY 3213	Lab
0104	Matt Severson, Andris Skuja W 4:00pm - 6:50pm	Seats (Total: 36) PHY 3213	Lab

0106	Andris Skuja, Matt Severson Tu 1:00pm - 3:50pm	Seats (Total: 36) PHY 3213	Lab
0108	Matt Severson, Andris Skuja Tu 7:00pm - 9:50pm	Seats (Total: 36) PHY 3213	Lab
0117	Andris Skuja, Matt Severson Th 11:00am - 1:50pm	Seats (Total: 36) PHY 3213	Lab
0118	Andris Skuja, Matt Severson Th 2:00pm - 4:50pm	Seats (Total: 36) PHY 3213	Lab

PHYS272 **Introductory Physics: Fields**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNS

Prerequisite: PHYS161 or PHYS171; and MATH141; and must have completed or be concurrently enrolled in MATH241. Credit only granted for: PHYS142, PHYS260, or PHYS272.

Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components.

Jointly offered with PHYS 272H.

0201	Eun-Suk Seo TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 70) PLS 1130 ESJ 2212	

PHYS272H **Introductory Physics: Fields**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNS

Prerequisite: PHYS161 or PHYS171; and MATH141; and must have completed or be concurrently enrolled in MATH241. Credit only granted for: PHYS142, PHYS260, or PHYS272.

Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components.

For general honors students only. Jointly offered with PHYS 272.

0201	Eun-Suk Seo TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 70) PLS 1130 ESJ 2212	

PHYS273 **Intermediate Oscillations and Waves**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241 and PHYS272; and must have completed or be concurrently enrolled in one of the following: (PHYS274, MATH243, MATH246 or equivalent).

Classical physics at an intermediate level, introducing mathematical tools such as complex variables, linear differential equations, and Fourier series and transforms. Physics of mechanical and electrical oscillators, including damped and driven systems; coupled oscillators and normal modes; the classical wave equation and its Fourier solutions; wave reflection and transmission at boundaries; Maxwell's equations in differential form; electromagnetic waves, and physical optics.

Jointly offered with PHYS 273H.

0101	Brian Clark	Seats (Total: 68)
	Tu 12:30pm - 1:45pm	PHY 1201
	Th 12:30pm - 1:45pm	PHY 1201
	M 2:00pm - 2:50pm	PHY 1201

PHYS273H **Intermediate Oscillations and Waves**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241 and PHYS272; and must have completed or be concurrently enrolled in one of the following: (PHYS274, MATH243, MATH246 or equivalent).

Classical physics at an intermediate level, introducing mathematical tools such as complex variables, linear differential equations, and Fourier series and transforms. Physics of mechanical and electrical oscillators, including damped and driven systems; coupled oscillators and normal modes; the classical wave equation and its Fourier solutions; wave reflection and transmission at boundaries; Maxwell's equations in differential form; electromagnetic waves, and physical optics.

For general honors students only. Jointly offered with PHYS 273.

0101	Brian Clark	Seats (Total: 68)
	Tu 12:30pm - 1:45pm	PHY 1201
	Th 12:30pm - 1:45pm	PHY 1201
	M 2:00pm - 2:50pm	PHY 1201

PHYS275 **Experimental Physics I: Mechanics and Waves**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in PHYS171 or PHYS161. Additional information: General Education Natural Sciences Lab (DSNL) Course only when taken concurrently with PHYS171 or PHYS161.

A first course for physics majors and interested engineering students introducing the methods of experimental science. Students learn to identify various statistical data distributions, carry out rigorous uncertainty analysis, and test whether a given theoretical model adequately describes the observed phenomena. These concepts are applied to sophisticated physical systems that exhibit complex behavior and can yield remarkably precise and accurate results. Experiments are chosen from the areas of mechanics and waves.

0101	Anwar Bhatti MW 2:00pm - 3:50pm	Seats (Total: 24) PHY 3104	Lab
0201	Anwar Bhatti MW 4:00pm - 5:50pm	Seats (Total: 24) PHY 3104	Lab
0301	Min Ouyang TuTh 3:00pm - 4:50pm	Seats (Total: 15) PHY 3104	Lab

PHYS276 **Experimental Physics II: Electricity and Magnetism**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS272 and PHYS275.

Second course in the three semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the fields of electricity and magnetism including electrostatics, magnetostatics, magnetic induction, AC circuits.

Contact department for information to register for this course.

PHYS299 **Special Problems in Physics**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement courses taken elsewhere which are not fully equivalent to those in departmental requirements. Credit according to work done.

Contact department for information to register for this course.

PHYS299R **Special Problems in Physics; General Physics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement courses taken elsewhere which are not fully equivalent to those in departmental requirements. Credit according to work done.

Contact department for information to register for this course.

PHYS313 **Electricity and Magnetism I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241, PHYS273, and one of the following: PHYS274, MATH240, MATH243, MATH246, or equivalent courses.

A first course in electricity and magnetism at an advanced level. Electrostatics; solutions to the Laplace and Poisson equations in cartesian and spherical coordinates; electric fields in matter; and magnetostatics. Study of boundary value problems and extensive use of vector calculus.

0101	Kushan Panchal, Howard Milchberg TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 38) PHY 1410 IRB 0318	
0102	Kushan Panchal, Howard Milchberg TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 38) PHY 1410 IRB 0318	

PHYS331 Physics for Life Sciences I

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131; and (MATH131 or MATH136); and (BSCI160 and BSCI161; or BSCI106); and (BSCI170 and BSCI171; or BSCI105). Or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS121, PHYS131 or PHYS 331.

The first part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic mechanics including forces and energy, properties of matter, and thermodynamics done in authentic biological contexts.

ESG1	Nidhi Verma M 11:00am - 1:00pm Class time/details on ELMs Tu 2:00pm - 5:00pm *Registration is restricted to Biological Sciences - Shady Grove majors.*	Seats (Total: 16) BLD4 5308 ONLINE BLD4 5322	Lab
ESG2	Nidhi Verma M 11:00am - 1:00pm Class time/details on ELMs Th 2:00pm - 5:00pm *Registration is restricted to Biological Sciences - Shady Grove majors.*	Seats (Total: 12) BLD4 5308 ONLINE BLD4 5322	Lab

PHYS360 Introduction to Quantum Mechanics: a Linear Algebra Approach

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH240, MATH243, MATH461, ENEE290 or PHYS274; or permission of instructor. Additional information: Does not satisfy a requirement for a physics major or minor.

Introduction to quantum mechanics from a linear algebra perspective with a focus on low-dimensional Hilbert spaces. Includes review of relevant math topics, e.g., complex numbers, matrices, vector spaces, and basic differential equations. Appropriate for computer scientists and mathematicians without previous coursework in physics.

0101	Chandra Turpen TuTh 2:00pm - 3:15pm	Seats (Total: 40) PHY 1204	

PHYS371 **Modern Physics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS273; and 1 course from (PHYS274, MATH243, or MATH246). Credit only granted for: PHYS371 or PHYS420. Additional information: Intended primarily for physics and astronomy majors.

Physics of the early 20th century. Special relativity; particle-wave duality; Compton scattering; the Bohr model; the Schroedinger equation; atomic and nuclear physics phenomena. Includes introductory thermodynamics and the kinetic theory of gases.

0101	Paulo Bedaque MWF 11:00am - 11:50am	Seats (Total: 105) JMZ 0220	

PHYS375 **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: PHYS276 and PHYS273.

Third course in the three-semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the areas of electromagnetic waves, optics and modern physics.

0101	Simone-Gunde Kulin MW 2:00pm - 2:50pm M 3:00pm - 5:50pm	Seats (Total: 14) PHY 1410 PHY 3115	 Lab
0102	Simone-Gunde Kulin MW 2:00pm - 2:50pm W 3:00pm - 5:50pm	Seats (Total: 14) PHY 1410 PHY 3115	 Lab
0103	Simone-Gunde Kulin MW 2:00pm - 2:50pm Tu 3:00pm - 5:50pm	Seats (Total: 14) PHY 1410 PHY 3115	 Lab

PHYS386 **Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail

Contact department for information to register for this course.

PHYS389 **Undergraduate Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular, Pass-Fail, Audit

Independent directed research and study on a topic selected by the student in consultation with his or her advisor. Final written thesis and oral defense will be expected.

Contact department for information to register for this course.

PHYS398 **Independent Studies Seminar**

(Perm req)

Credits: 1-16

Grading Method: Regular, Pass-Fail, Audit

Credit according to work done. Enrollment is limited to students admitted to the independent studies program in physics.

Contact department for information to register for this course.

PHYS399 **Special Problems in Physics**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Selected advanced experiments. (Will be given with sufficient demand.)

Contact department for information to register for this course.

PHYS399C **Special Problems in Physics; Physics STEM Seminar**

Credits: 1

Grading Method: Regular

Selected advanced experiments. (Will be given with sufficient demand.)

Contact department for information to register for this course.

PHYS399D **Special Problems in Physics; Physics STEM Seminar II**

(Perm req)

Credits: 2

Grading Method: Regular

Selected advanced experiments. (Will be given with sufficient demand.)

Contact department for information to register for this course.

PHYS399E **Special Problems in Physics; Physics STEM Seminar III**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Selected advanced experiments. (Will be given with sufficient demand.)

Contact department for information to register for this course.

PHYS399K **Special Problems in Physics**

Credits: 1-3

Grading Method: Regular

Selected advanced experiments. (Will be given with sufficient demand.)

Contact department for information to register for this course.

PHYS401 **Quantum Physics I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS265 and PHYS371; and 1 course from (PHYS313, PHYS373, or MATH462). Additional information: Intended primarily for Physics and Astronomy majors.

The first of a two-semester survey of quantum mechanics, employing the formalism of Dirac notation, linear operators, and Hilbert spaces. Quantum state preparation and measurement, the Schroedinger equation in both its matrix and wave descriptions, and applications to systems such as the harmonic oscillator and the hydrogen atom.

0101	Phoebe Hamilton	Seats (Total: 68)
	MWF 10:00am - 10:50am	PHY 1201
	F 3:00pm - 3:50pm	ESJ 1215

PHYS402 **Quantum Physics II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS401.

Applications of quantum mechanics to atomic, molecular, and solid state systems. Addition of angular momenta, multiparticle states, perturbation theory and other approximation techniques, scattering, and symmetries.

0101	Victor Galitski, Aaron Sternbach	Seats (Total: 49)
	MWF 10:00am - 10:50am	PHY 1402

PHYS404 **Introduction to Statistical Thermodynamics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS371 or PHYS420.

Introduction to basic concepts in thermodynamics and statistical mechanics.

0101	Nathan Schine	Seats (Total: 60)
	WF 9:00am - 9:50am	ESJ 0215
	M 9:00am - 9:50am	ESJ 0215

PHYS405 **Advanced Experiments**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS375. Restriction: Must be in a major within CMNS-Physics department.

Advanced laboratory techniques. Selected experiments from many fields of modern physics. Emphasis on self-study of the phenomena, data analysis, and presentation in report form.

0101	Maria Mukhina	Seats (Total: 10)	
	W 12:00pm - 12:50pm	PHY 1402	Lab
	TBA	PHY 3112	Lab

PHYS406 **Experimental Research Development**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS375. Restriction: Permsission of CMNS-Physics department. Additional information: The student is expected to work on the project for approximately 9 hours per week in a standard semester or a total of 135 hours in a non-standard semester. PHYS406 may not be used to satisfy an advanced physics elective.

Part I of a two-semester, independent, experimental research project supervised by a faculty mentor. The student participates significantly in experimental design, set-up, and collection and analysis of real, physical data, including the evaluation of experimental uncertainties. The student maintains a lab notebook and completes an end-of-semester progress report.

0101	Carter Hall	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS407 **Undergraduate Experimental Research**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: PHYS499 and PHYS375; and permission of CMNS-Physics department. Restriction: Must be in a major within CMNS-Physics department; and senior standing.

Students develop and complete an independent, experimental research project with a professor in the Physics Department. The project should be a continuation of work done in PHYS499A. To obtain permission, students must submit a proposal describing the experimental work to be completed and this proposal must be approved by their faculty mentor, the associate chair for undergraduate education and the chair of the laboratory committee. Students must maintain a lab notebook, give an oral presentation and complete a written report on their research that includes data and error analysis.

0101	Carter Hall	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS410 **Classical Mechanics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS265 and PHYS273; and (MATH243 or MATH246).

Classical mechanics at a more advanced level, including its Newtonian, Lagrangian, and Hamiltonian formulations. Conservative and non-conservative forces; the calculus of variations; central force motion; non-inertial frames of reference; rigid body rotations; and selected advanced topics.

0101	Manuel Franco Sevilla	Seats (Total: 55)
	TuTh 11:00am - 12:15pm	PHY 1204

PHYS413 **Electricity and Magnetism II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS313 or PHYS412. Credit only granted for: PHYS411 or PHYS413.

The second semester of a two semester course with emphasis on electromagnetic waves, potentials and gauge invariance, and relativistic electrodynamics

0101	Kaustubh Agashe	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	PHY 1402

PHYS417 **Symmetry Problems in Physics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241 and MATH240, or equivalent. Restriction: Permission of CMNS-Physics Department.

A study of general methods of classification of physical systems by their symmetries and invariance properties, especially in quantum field theory applications.

0101	Sylvester Gates	Seats (Total: 15)
	Th 4:00pm - 6:50pm	PHY 1402

PHYS431 **Introduction to Solid State Physics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS271, PHYS270, and MATH241. Restriction: Junior standing or higher; and must be in the Engineering: Materials Science program or Physics program. Cross-listed with: ENMA460. Credit only granted for: ENMA460 or PHYS431. Additional information: Materials Engineering students take ENMA460 and Physics students take PHYS431.

Classes of materials; introduction to basic ideal and real materials' behavior including mechanical, electrical, thermal, magnetic and optical responses of materials; importance of microstructure in behavior. One application of each property will be discussed in detail.

0101	You Zhou	Seats (Total: 45)
	MW 5:00pm - 6:15pm	PHY 1402

PHYS467 **Introduction to Quantum Technology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH141 and MATH240 or equivalent; and one of the following: PHYS360, PHYS401, PHYS457, CMSC457, or ENEE491; or permission of instructor. Cross-listed with: ENEE492. Credit only granted for: PHYS467 or ENEE492.

Investigates the basic concepts/building blocks of quantum computers, quantum key distribution, quantum networks, and quantum sensors. Examines what is needed to form a working qubit and different hardware platforms that implement them (for example, trapped ions, superconducting microwave circuits, color centers, and neutral atoms.) Conceptual and computational familiarity with complex numbers, vector spaces, bases, matrices, eigenvectors, and eigenvalues will be assumed, as well as quantum states/wave functions, and quantum measurement. Familiarity with spin-1/2 systems, and Pauli matrices is highly recommended.

0101	Alicia Kollar TuTh 9:30am - 10:45am	Seats (Total: 30) PHY 1402	

PHYS485 **Electronic Circuits**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS272 and PHYS276. Restriction: Must be in a major within CMNS-Physics department.

Theory and application to experimental physics of modern semiconductor analog and digital circuits. Emphasis on understanding passive and active elements in practical circuits. Topics span the range from simple transistor circuits to microcomputers.

Additional Note: Jointly offered with PHYS685. Credit only granted for PHYS485 or PHYS685.

0101	Sarah Eno M 2:00pm - 2:50pm W 1:00pm - 4:50pm	Seats (Total: 10) PHY 1204 PHY 3214	 Lab
0102	Sarah Eno M 2:00pm - 2:50pm Tu 2:00pm - 5:50pm	Seats (Total: 10) PHY 1204 PHY 3214	 Lab

PHYS488P **Interdisciplinary Topics in Physics; Science and Global Security**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected interdisciplinary topics of relevance to the physics community.

Prerequisites: Must have taken one of the following two-course physics sequences: PHYS131 and 132; PHYS141 and PHYS142; PHYS161 and PHYS260; or PHYS171 and PHYS272. Restriction: Must have earned a minimum of 60 credits. Cross-listed with PHYS488P and jointly offered with PHYS688P/PLCY688P. Credit only granted for PLCY488P, PHYS488P, PLCY688P, or PHYS688P. This course examines technologies of modern warfare and intelligence. Topics include the design, production, deployment, and effects of nuclear weapons; ballistic missiles and missile defense; bombers, cruise missiles, hypersonic weapons, and air defense; submarines and anti-submarine warfare; artificial intelligence and autonomous vehicles; satellites and anti-satellite weapons; verification and intelligence technologies; and chemical, biological, and radiological weapons.

0101	Steven Fetter	Seats (Total: 15)
	M 4:15pm - 6:45pm	ASY 1213

PHYS499A **Special Problems in Physics**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Research or special study. Credit according to work done.

Contact department for information to register for this course.

PHYS499B **Special Problems in Physics**

(Perm req)

Credits: 1-16 Grading Method: Regular, Pass-Fail, Audit

Research or special study. Credit according to work done.

Contact department for information to register for this course.

PHYS499P **Special Problems in Physics; Particle Astrophysics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Research or special study. Credit according to work done.

Pre-requisites: PHYS313 and PHYS371 Co-Req: PHYS401 or permission of in structor Particle Astrophysics is an emerging field using particle physics techniques to study high-energy phenomena in the Universe. In this course we will give an overview of the field with emphasis on current experiments.The topics will include cosmic rays, neutrino oscillations, neutrino astronomy, gamma-ray astronomy, gamma-ray bursts, dark matter, and dark energy. The course will be taught by scientists working on manyof the maj or experiments in the field including IceCube, HAWC, Fermi, and LIGO.

0101	Kara Hoffman	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ANS 0402

PHYS499V **Special Problems in Physics; Colloquium for Undergraduate Physics Majors**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Research or special study. Credit according to work done.

0101	Instructor: TBA Th 4:00pm - 6:15pm	Seats (Total: 60) Location: TBA

PHYS610 **Mathematical Methods and Their Applications in Classical Mechanics and Electrodynamics I**

(Perm req)

Credits: 4 Grading Method: Regular, Audit

Prerequisite: Must have an outstanding undergraduate background in physics. Restriction: Permission of CMNS-Physics Department.

First course of a two-semester graduate level sequence on classical mechanics, electrodynamics and relativity and the mathematics that underlie these subjects. Mathematical methods will generally be introduced in the context of relevant physical problems.

0101	Zohreh Davoudi TuTh 9:30am - 11:30am	Seats (Total: 65) PHY 1201

PHYS612 **Quantum and Statistical Physics I**

(Perm req)

Credits: 4 Grading Method: Regular, Audit

Prerequisite: Must have an outstanding undergraduate background in physics. Restriction: Permission of CMNS-Physics Department.

First course of a two-semester graduate level sequence on topics in quantum mechanics and statistical mechanics.

0101	Thomas Cohen MWF 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 65) PHY 1201 PHY 1201

PHYS624 **Introduction to Quantum Field Theory**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PHYS613 or PHYS623.

Merging relativity and quantum mechanics using quantum fields, scalar field theory and canonical quantization, continuous and discrete symmetries, perturbation theory and scattering amplitudes, renormalized perturbation theory, Lorentz-group representations and fermionic field theories, massive and massless vector field theories and gauge invariance, quantum electrodynamics.

0101	Zackaria Chacko TuTh 11:00am - 12:15pm	Seats (Total: 24) PHY 0405

PHYS675 **Introduction to Relativity, Gravitation and Cosmology**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PHYS606 and PHYS601.

Review of special relativity, followed by a study of the equivalence principle, curved spacetimes, and Einstein's equations. Selected applications to the solar system, stellar structure, black holes, gravitational waves, and cosmology.

Prerequisite: Phys610 and Phys611, or advanced undergraduate electrodynamics and classical mechanics and permission of the instructor.

0101	Theodore Jacobson	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CCC 1200

PHYS685 **Research Electronics**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: An outstanding undergraduate background in physics or permission of the instructor. Restriction: Must not have completed PHYS485. Credit only granted for: PHYS485 or PHYS685.

An integrated lecture and laboratory course in electronics with equal emphasis on experimental methods and results and analysis using device models and up-to-date mathematical and numerical tools. Experiments and analysis of circuits with passive and single active devices form the background for the study of operational amplifiers, digital integrated circuits and systems, and microcomputers. The general topics of impedance matching, frequency response, feedback, interfacing and the extraction of signal from noise are stressed.

Additional Note: Jointly offered with PHY485. Credit only granted for PH YS685or PHYS485.

0102	Sarah Eno	Seats (Total: 1)	
	M 2:00pm - 2:50pm	PHY 1204	
	Tu 2:00pm - 5:50pm	PHY 3214	Lab

PHYS688P **Interdisciplinary Topics in Physics; Science, Technology, and National Security**

Credits: 3 Grading Method: Regular, Audit

Selected interdisciplinary topics of relevance to the physics community.

Cross-listed with PLCY688P and jointly offered with PHYS488P/PLCY488P. Credit only granted for PLCY488P, PHYS488P, PLCY688P, or PHYS688P. This course examines technologies of modern warfare and intelligence. Topics include the design, production, deployment, and effects of nuclear weapons; ballistic missiles and missile defense; bombers, cruise missiles, hypersonic weapons, and air defense; submarines and anti-submarine warfare; artificial intelligence and autonomous vehicles; satellites and anti-satellite weapons; verification and intelligence technologies; and chemical, biological, and radiological weapons. The grade will be determined by weekly problem sets and a take-home final exam. Knowledge of physics at the PHYS 141/142 level helpful but not essential.

0101	Steven Fetter M 4:15pm - 6:45pm	Seats (Total: 15) ASY 1213

PHYS709 **Seminar in General Physics; Statistical Physics**

Credits: 1 Grading Method: Regular, Audit

Cross-listed with CHPH709B.

0101	Pratyush Tiwary Tu 1:15pm - 2:30pm	Seats (Total: 30) IPT 1116

PHYS711 **Symmetry Problems in Physics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PHYS613.

A study of general methods of classification of physical systems by their symmetries and invariance properties, especially in quantum field theory applications.

0101	Sylvester Gates Th 4:00pm - 6:50pm	Seats (Total: 35) PHY 1402

PHYS715 **Chaotic Dynamics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PHYS601.

Theory and applications of chaos in dynamical systems including such topics as strange attractors, Lyapanov exponents, quasiperiodicity, period doubling, intermittency, crises, fractal basin boundaries, chaotic scattering, KAM tori, and quantum chaos.

0101	Daniel Lathrop TuTh 2:00pm - 3:15pm	Seats (Total: 30) JMP 1109

PHYS728J **Seminar in Atomic and Molecular Physics; JQI Seminar**

Credits: 1 Grading Method: Regular, Audit

0101	Steven Rolston M 11:00am - 12:50pm	Seats (Total: 60) ATL 2400

PHYS738 **Seminar in Experimental Solid State Physics; Quantum Mechanical Many-Body Problems**

Credits: 1 Grading Method: Regular, Audit

0101	Johnpierre Paglione Th 2:00pm - 3:50pm	Seats (Total: 100) PHY 1410

PHYS739 Seminar in Theoretical Solid State Physics; Quantum Mechanical Many-Body Problems

Credits: 1 Grading Method: Regular, Audit

0101	Sankar Das Sarma Tu 11:00am - 12:15pm	Seats (Total: 15) PSC 3150

PHYS749 Seminar in Theoretical Nuclear Physics

Credits: 1 Grading Method: Regular, Audit

0101	Xiangdong Ji W 4:00pm - 6:00pm	Seats (Total: 20) EGR 1102

PHYS758E Seminar in Elementary Particles and Quantum Field Theory; Seminar in Elementary Particles and Quantum Field Theory

Credits: 1 Grading Method: Regular, Audit

0101	Manuel Franco Sevilla W 4:00pm - 5:50pm	Seats (Total: 25) PSC 3150

PHYS759 Seminar in Elementary Particles and Quantum Field Theory

Credits: 1 Grading Method: Regular, Audit

0101	Kaustubh Agashe M 3:00pm - 4:40pm	Seats (Total: 15) PSC 3150

PHYS761 Plasma Physics I: Survey

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PHYS606 and PHYS604.

A detailed study of plasma physics. The first semester treats particle orbit theory, magnetohydrodynamics, plasma waves, and transport phenomena.

0101	Alexander Philippov TuTh 11:00am - 12:15pm	Seats (Total: 30) PHY 1219

PHYS769 Seminar in Plasma Physics

Credits: 1 Grading Method: Regular, Audit

Class will meet in ERF 1207.

0101	Alexander Philippov W 4:00pm - 5:15pm	Seats (Total: 20) EGR 3102

PHYS778 **Seminar in Space and Cosmic Ray Physics**

Credits: 1 Grading Method: Sat-Fail, Audit

0101	Eun-Suk Seo M 4:30pm - 5:45pm	Seats (Total: 20) CHE 2140

PHYS798 **Special Problems in Advanced Physics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798B **Special Problems in Advanced Physics; Physics Colloquium**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

0101	Thomas Cohen Tu 2:00pm - 4:50pm	Seats (Total: 142) PHY 1410

PHYS798C **Special Problems in Advanced Physics; Superconductivity: An Introduction to the Phenomenology and Theory of Superconductivity**

Credits: 3 Grading Method: Regular, Audit

Projects or special study in advanced physics.

0101	Steven Anlage TuTh 9:30am - 10:45am	Seats (Total: 25) EGR 3102

PHYS798L **Special Problems in Advanced Physics; Biophysics**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

0101	Arpita Upadhyaya	Seats (Total: 20)
	M 4:00pm - 5:30pm	IPT 1116

PHYS798Q **Special Problems in Advanced Physics; Seminar in Quantum Physics, Information, and Technology**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

0101	Alexey Gorshkov	Seats (Total: 100)
	F 12:00pm - 12:50pm	ATL 2400

PHYS799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

PHYS838C **Special Topics in Experimental Solid State Physics; Superconductivity, Quantum Materials and Nanoscience Seminar**

Credits: 2 Grading Method: Regular, Audit

Credit according to work done.

0101	Johnpierre Paglione	Seats (Total: 50)
	M 4:00pm - 5:50pm	PHY 1201

PHYS839A **Special Topics in Theoretical Solid State Physics; Theory of Low Dimensional Systems**

Credits: 1 Grading Method: Regular, Audit

Credit according to work done.

0101	Sankar Das Sarma	Seats (Total: 20)
	F 4:00pm - 7:00pm	Location: TBA

PHYS859E **Special Topics in Elementary Particles and Quantum Field Theory; Supersymmetry and Compositeness**

Credits: 3 Grading Method: Regular, Audit

Credit according to work done.

Prerequisites: PHYS624 and PHYS851, or Permission of Instructor. Dominant paradigms beyond the Standard Model, Supersymmetry and Particle Compositeness and how they can address the mysteries underlying the observed hierarchical structure of particle physics. How these overarching frameworks correlate the diverse array of experimental tests of particle physics from the past and into the future, ranging from tests of the electric-dipole moment of the electron to new resonances at future colliders.

0101	Raman Sundrum TuTh 10:30am - 12:00pm	Seats (Total: 15) PSC 3150	

PHYS898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

PHYS899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

PLCY Public Policy Fall 2025

PLCY100 **Foundations of Public Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

A survey course, focusing on public policy institutions and analytical issues as well as on overview of key public policy problems. Students will be introduced to public policy as a discipline, with a brief overview of the actors and institutions involved in the process, and familiarize themselves with the kinds of problems typically requiring public action. The course will examine these problems from a multijurisdictional and multisectoral perspective. Specific policy areas examined include education policy, health policy, economic and budgetary policy, criminal justice policy, environmental policy, and national and homeland security policy. The course should permit students to have broad foundational exposure to the field that will give them a solid base for more advanced courses.

0101	Toby Egan MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TMH 0301 TMH 0102	Discussion
0102	Toby Egan MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TMH 0301 TMH 0102	Discussion
0103	Toby Egan MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TMH 0301 JMZ 0125	Discussion
0104	Toby Egan MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) TMH 0301 TMH 0102	Discussion

0201	Namrta Sharma TuTh 3:30pm - 4:25pm F 10:00am - 10:50am	Seats (Total: 25) TMH 0301 KEY 0125	Discussion
0202	Namrta Sharma TuTh 3:30pm - 4:25pm F 10:00am - 10:50am	Seats (Total: 25) TMH 0301 SKN 1115	Discussion
0203	Namrta Sharma TuTh 3:30pm - 4:25pm F 11:00am - 11:50am	Seats (Total: 25) TMH 0301 WDS 0104	Discussion
0204	Namrta Sharma TuTh 3:30pm - 4:25pm F 12:00pm - 12:50pm	Seats (Total: 25) TMH 0301 JMZ 0120	Discussion

PLCY101 **Great Thinkers on Public Policy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

Great ideas in public policy, such as equality, efficiency, sovereignty, liberty, bureaucracy, democracy and security are explored through the lens of great thinkers. An introduction to the intellectual foundations of public policy, from ancient theories on collective public action through the more contemporary development of public policy as a discipline. This may start as early as the ancient Greek philosophers and their views on public action through contemporary classics of public policy. At the conclusion of the course, students will have read classic works in the field and will master the key themes that have dominated the intellectual debates about public policy over its history. Emphasis will be on the interdisciplinary foundations of public policy, through examining core disciplinary contributions from economics, political science, management, philosophy, and other relevant disciplines.

0101	Robert Sprinkle TuTh 12:30pm - 1:45pm	Seats (Total: 75) ASY 2309	

PLCY201 **Public Leaders and Active Citizens**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DSSP, SCIS

Credit only granted for: PLCY201 or PUAF201. Formerly: PUAF201.

Aims to inspire, teach and engage students in the theory and practice of public leadership from the local to the national to the global level. Students will learn and apply diverse approaches to leadership in a multicultural society while developing an understanding of key frameworks and practices necessary to foster collective action across private, public, and nonprofit sectors. This course will allow students to become informed citizens able to reason critically and persuasively about public matters Students will also explore and assess their own personal values, beliefs, and purpose as they develop their leadership potential.

0101	Julio Guzman TuTh 11:00am - 12:15pm	Seats (Total: 70) TWS 0310
0201	Gregory Ramsay TuTh 9:30am - 10:45am	Seats (Total: 60) TYD 0117
FC01	David Mussington TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 37) KEY 0102
FC02	Anne Kaiser TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 38) TMH 0225

PLCY201S **Public Leaders and Active Citizens**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DSSP, SCIS

Credit only granted for: PLCY201 or PUAF201. Formerly: PUAF201.

Aims to inspire, teach and engage students in the theory and practice of public leadership from the local to the national to the global level. Students will learn and apply diverse approaches to leadership in a multicultural society while developing an understanding of key frameworks and practices necessary to foster collective action across private, public, and nonprofit sectors. This course will allow students to become informed citizens able to reason critically and persuasively about public matters Students will also explore and assess their own personal values, beliefs, and purpose as they develop their leadership potential.

Restricted to freshman students in College Park Scholars Public Leadership program.

0101	Susannah Washburn TuTh 2:00pm - 3:15pm	Seats (Total: 80) CCC 1205

PLCY203 **Liberty and Justice for All: Ethics and Moral Issues in Public Policy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Students will broaden their understanding of the moral dimensions of public policy as well as their own individual moral perspective. Discussions will include the ideal of a just society, and the place of liberty and equality in it, while focusing on contemporary theories of ethics and justice. It will develop students' appreciation of the ethical challenges unique to the public service sector while building their skills in ethical analysis and decision-making. We will explore the increasing ethical challenges in a world in which technology, global risks, and societal developments are accelerating faster than our understanding can keep pace. A framework for ethical decision-making underpins the course.

0101	Anne Kaiser MW 3:00pm - 4:15pm	Seats (Total: 60) TWS 1100
0201	Anne Kaiser TuTh 11:00am - 12:15pm	Seats (Total: 60) ANS 0408

PLCY213 Foundations of Nonprofit Leadership and Social Innovation

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Through discussions of contemporary trends, challenges and issues, this course provides an introduction to the nonprofit and NGO sectors, social innovation, and the leadership and management skills required to achieve social impact. The course will explore the history, theories, and roles of philanthropy, the nonprofit sector, and social innovation in societies and cultures. Students will be able to demonstrate an understanding of the process and principles of social entrepreneurship and social innovation. Additionally, the course will introduce students to topics in leadership, social innovation, resource development, community mobilization through networks, the role of policy-making in creating change, project management, and overall strategies for achieving social impact. The course will include mini hands-on learning experiences that allow them to apply key learning outcomes.

0201	Claire Dunning TuTh 9:30am - 10:45am	Seats (Total: 40) ESJ B0322

PLCY214 Leading and Investing in Social Change: Re-defining and Experimenting with Philanthropy

Credits: 3 Grading Method: Regular General Education: DSSP, SCIS

Credit only granted for: PLCY214, PUAF214 or PUAF359I. Formerly: PUAF359I, PUAF214.

Defines philanthropy as an exploration of how one develops a vision of the public good and then deploys resources (including donations, volunteers, and voluntary associations) to achieve an impact.

0101	Patricia Bory TuTh 2:00pm - 3:15pm	Seats (Total: 80) TWS 0320
	Restricted to students in Carillon Communities. Once registered, students need an electronic stamp from an advisor to drop the course.	

PLCY240 Ethical, Policy and Social Implications of Science and Technology

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, SCIS

Cross-listed with: ENES240. Credit only granted for: ENES240 or PLCY240.

Asks students to think about how society should manage complexity, transformation, and uncertainty with an eye on developing a broader sense of ethics and social responsibility. Introduces analytical frameworks, concepts, and data collection techniques that interdisciplinary scholars use to map relationships among science, technology and society and generate important questions about the future of society.

0101	Timothy Reedy	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	AJC 2119

PLCY300 Governance: Collective Action in the Public Interest

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PLCY100. Restriction: Must be in a major in PLCY-School of Public Policy.

Examination of societal responses to public problems, including actions by government, non-profit and private sector actors, as well as civil society. Students will examine the roles of these various actors, as well as the nature of civic responsibility. The course will examine the various stages of the policy process, asking the following questions: How does something get defined as a problem that requires a public policy response? How do we think about what the options are for this response, and how do we choose among them? What are the factors that contribute to successful policy implementation? How do we evaluate the success of public policies? These questionswill be addressed using examples of current public policy problems, and students will be expected to engage in individual and collaborative work to design responses to those problems.

0101	Niambi Carter	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	TMH 0225

PLCY301 Sustainability

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Cross-listed with: AGNR301. Credit only granted for: AGNR301, PUAF301, or PLCY301. Formerly: PUAF301.

Designed for students whose academic majors would be enhanced by the complementary study of a widely shared but hard-to-operationalize aspiration: that present choices should preserve or improve future options rather than foreclose or degrade them. How should we understand sustainability? How might we achieve it? How would we know if we had achieved it? And how could sustainability activists of a rising generation lead by example?

0101	Caroline Boules	Seats (Total: 165)
	TuTh 12:30pm - 1:45pm	MMH 1400

PLCY302 **Examining Pluralism in Public Policy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Credit only granted for: PLCY302 or PUAF302. Formerly: PUAF302.

Understanding pluralism and how groups and individuals coexist in society is an essential part of the public policy process. This course will examine the ways in which the diverse experiences of race, gender, ethnicity, class, orientation, identity, and religion impact the understanding of and equitable delivery of public policy. The examination of how identity development shapes our understanding of society and influences the decision-making process is central to students' shaping policy that is truly for the people. This course will equip students with the skills needed to analyze pluralism and draw conclusions about the application of various theories to public policy issues.

0101	Lindsay Dieudonne TuTh 11:00am - 12:15pm	Seats (Total: 40) ESJ B0324
0201	Alana Hackshaw M 3:00pm - 5:30pm	Seats (Total: 40) TMH 0225
0301	Ebonie Johnson Cooper TuTh 2:00pm - 3:15pm	Seats (Total: 40) TMH 0225

PLCY303 **Public Economics Raising and Spending the People's Money**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON200. Restriction: Must be in a major in PLCY-School of Public Policy.

Applied course in public finance, including introductions to resource mobilization (including taxation), macroeconomic policy, key public expenditure policies, and government budgetary processes and politics. The course will build on the foundations from ECON 202 to address the specific application of public finance principles to solving public problems. The course will focus on the principles of welfare economics (including market failure), economic principles as applied to particular spending programs and tax choices, and issues and institutions involved in the allocation and management of resources both at a national and subnational level. The focus of the course is on these issues from both a domestic and global perspective.

0101	Emily Dobson TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 1132

PLCY304 **Evaluating Evidence: Finding Truth in Numbers**

Credits: 4 | Grading Method: Regular

Prerequisite: STAT100. Restriction: Must be in a major in PLCY-School of Public Policy.

Enables students to understand the research done by others with a sufficiently skeptical eye to allow them to determine whether the findings of the research are valid given the assumptions made and methods used. This will involve, in part, thinking about the various problems in research design or conduct that could lead to faulty conclusions. It will also involve being able to differentiate between credible sources of information and those that are not objective. At the conclusion of the course, students should be able to differentiate objective evidence from political argumentation.

0101	Michael Busse MWF 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 40) TMH 0225 TMH 0225	 Discussion
0201	Michael Busse MWF 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 40) TMH 0225 TMH 0225	 Discussion

PLCY306 **Public Policy Analysis in Action**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must have earned a minimum of 60 credits; and must be in a major in PLCY-School of Public Policy.

Utilizes our unique location in the Washington, D.C. region to create a laboratory within which to analyze local, regional, national and international policy problems. Students will be put into teams and assigned to real and timely policy cases. The course will include meetings and field trips with local leaders in the field, ideally connected to the cases. Student will then expand and apply their use of policy analysis and evaluation skills to define those problems, analyze alternative responses, devise appropriate strategies for implementation, and evaluate the success of the proposed policy and implementation. The course will conclude with team presentations to local leaders and faculty. This distinctive course will serve to prepare students for their client- based senior capstone course.

0101	Shanna Pearson-Merkowitz TuTh 9:30am - 10:45am	Seats (Total: 35) TMH 0225	
0201	Shanna Pearson-Merkowitz TuTh 11:00am - 12:15pm	Seats (Total: 35) TMH 0225	

PLCY309 **Internship in Political Institutions: State and Local**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Offers students supervised internship placements in nonprofits as well as local, state federal or international public policy organizations.

0101	Martin Sanders Contact instructor or department for details.	Seats (Total: 30)	

PLCY310 **Nonprofit Leadership and Social Innovation in Action**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PLCY 213.

Furthers students understanding of topics in leadership, social innovation, resource development, community mobilization through networks, and the role of policy making in creating change. This course will further students understanding of the creation and leadership of nonprofits, social ventures, governance and boards; strategic planning and partnerships; advocacy and public policy processes; community outreach; working in teams, effective communications, and cross-sector approaches to scaling up social impact.

0101	Selvon Waldron M 6:00pm - 8:30pm	Seats (Total: 35) TMH 0225

PLCY313 **Advocacy in the American Political System**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: PUAF313, PLCY313 or PUAF359C. Formerly: PUAF359C.

Introduces students to the creation of law through the legislative process with a special focus on the Maryland General Assembly.

0101	Gerard Evans M 2:00pm - 4:30pm	Seats (Total: 100) MMH 1400

PLCY380 **Innovation and Social Change: Do Good Now**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, SCIS

Credit only granted for: ARHU380, BSOS388B, PLCY388D, or PLCY380. Formerly: PLCY388D.

Introduces students to the concept of social innovation while exploring the many mechanisms for achieving social impact. It is team-based, highly interactive and dynamic, and provides an opportunity for students to generate solutions to a wide range of problems facing many communities today. Deepens the students understanding of entrepreneurship and innovation practices by guiding them through the creation and implementation process as applied to a project idea of their choice.

0101	James Stillwell TuTh 3:30pm - 4:45pm	Seats (Total: 40) TYD 2111
0201	James Stillwell TuTh 5:00pm - 6:15pm	Seats (Total: 35) TYD 2111

PLCY388A **Special Topics in Public Policy; Child and Family Policy Impact**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Advanced special topics focusing on an interdisciplinary topic related to Public Policy.

Jointly offered with FMSC498P. Credit only granted for PLCY388A or FMSC4 98P. For poor and low-income families, federal programs such as Medicaid , Child care, SNAP and child nutrition programs are a lifeline every day. Some programs also have policies that consider more than income eligibility, such as number of hours of work, disability, and immigration status. Budget choices have a significant impact on pol icy intentions. Students will learn about and analyze the major federal programs and federal budgets for these policy areas; understand fro m data the impact of such programs and policies; and be introduced to significant advocacy efforts and considerations that shaped hese po licy decisions.

0101	Brandi Onowu	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	TYD 0111

PLCY388B **Special Topics in Public Policy; Secrets, Spies, and The State: Introduction to the Intelligence Community**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Advanced special topics focusing on an interdisciplinary topic related to Public Policy.

This is an introduction to the history, structure, and practices of the US intelligence community (IC). This course will provide students with an understanding of the theory and practice of intelligence, including the intelligence cycle, past and present organization of the intelligence community, and future challenges facing intelligence professionals. The course will also examine the capabilities and limitations of the various intelligence collection disciplines, analytic methodologies, and the relationship between intelligence and policy.

0101	Lena Andrews	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	TYD 1132

PLCY388N **Special Topics in Public Policy; Advancing Justice Through Leadership and Public Service**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Advanced special topics focusing on an interdisciplinary topic related to Public Policy.

Must be in the Rawlings Undergraduate Leadership Fellows Program. Students will engage in leadership-based learning and public service projects to examine contemporary issues in public policy. Leadership as a search for meaning, identity and purpose are explored. Major philosophical traditions, from the ancient world to the modern one, are introduced, encouraging students to ground their leadership interests and aspirations in a disciplined process of self-reflection, critical thinking and inquiry. Structured as a lecture and discussion series, this course will develop and apply student's understanding of leadership philosophy, policy, and social justice through active in class participation, simulations, group work, and structured discussion activities.

0101	Nina Harris	Seats (Total: 25)
	W 4:15pm - 6:45pm	TMH 0102

PLCY388V **Special Topics in Public Policy; Public Policy Challenges in Africa**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced special topics focusing on an interdisciplinary topic related to Public Policy.

Introduces major public policy challenges in Africa today and includes a brief review of African history from 1600 through the post-colonial period to provide critical background. Catalyzing economic growth, promoting democratic governance, and reducing armed conflict will be discussed. Also covered are the role of African diasporas and migration in national development, managing the continent's rapid urbanization, and improving service delivery in key areas such as health and education.

0101	Michael Woldemariam	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	WDS 1102

PLCY399B **Directed Study in Public Policy; Policy Ambassadors**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail

Guidance for the advanced student capable on interdisciplinary study on special projects under the supervision of faculty.

As School of Public Policy Ambassadors, students share their experience as SPP students with others through skill-building activities such as: public speaking, event and program planning, personal storytelling, social media, and networking. Ambassadors will burnish their leadership skills as SPP representatives with a specific focus on recruiting prospective students.

0101	Beatrice DeBelen	Seats (Total: 30)
	Contact instructor or department for details. Class time/details on ELMs	ONLINE

PLCY399R **Directed Study in Public Policy; Independent Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Guidance for the advanced student capable on interdisciplinary study on special projects under the supervision of faculty.

Contact department for information to register for this course.

PLCY399T **Directed Study in Public Policy; Undergraduate Teaching Assistant**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Guidance for the advanced student capable on interdisciplinary study on special projects under the supervision of faculty.

Contact department for information to register for this course.

PLCY400 **Senior Capstone**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: PLCY306. Restriction: Permission of PLCY-School of Public Policy; and must have earned a minimum of 90 credits.

Public Policy students will take the skills and knowledge gained through their curriculum and apply them through their senior capstone course. Students will work in teams on problems and issues presented by outside clients, with guidance from faculty facilitators and interaction with the clients. Each team will work with the client to address a particular problem and produce a mutually agreed upon outcome. These hands on projects will advance students' understanding of the analytical, leadership, communication and problem solving skills necessary to address today's policy problems while allowing them to gain professional level experience that could contribute to their success in their post UMD endeavors. The course will conclude with an event that allows all teams to present their findings and outcomes to their client while being evaluated by faculty and public policy professionals.

0101	Patrina Clark, Martin Sanders Tu 6:00pm - 8:30pm	Seats (Total: 25) TMH 0225

PLCY401 **Contemporary Issues in Public Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must have earned a minimum of 90 credits. Public Policy majors or by permission only.

How do we make policies work for an increasingly diverse and dynamic populace? Today's challenges require an understanding of key variables and constraints (e.g., structural, cultural, bureaucratic, administrative) affecting both policy implementation and failure. This course allows students to analyze and evaluate current implementation plans, policies, and projects. Students will have the opportunity to create and propose future recommendations. The course is conducted in a specific policy field, denoted in the section below. It is recommended students take a related elective prior to signing up for this course.

0101	Tracy Thompson TuTh 2:00pm - 3:15pm *Criminal justice policy.*	Seats (Total: 20) JMZ 0125
0201	David Mussington TuTh 12:30pm - 1:45pm *US Critical Infrastructure Security and Resilience Policy.*	Seats (Total: 20) TWS 0207

PLCY488P **Advanced Special Topics in Public Policy; Science and Global Security**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced special topics for upper level students focusing on topics related to Public Policy.

Prerequisites: Must have taken one of the following two-course physics sequences: PHYS131 and 132; PHYS141 and PHYS142; PHYS161 and PHYS260; or PHYS171 and PHYS272. Restriction: Must have earned a minimum of 60 credits. Cross-listed with PHYS488P and jointly offered with PHYS688P/PLCY688P. Credit only granted for PLCY488P, PHYS488P, PLCY688P, or PHYS688P. This course examines technologies of modern warfare and intelligence. Topics include the design, production, deployment, and effects of nuclear weapons; ballistic missiles and missile defense; bombers, cruise missiles, hypersonic weapons, and air defense; submarines and anti-submarine warfare; artificial intelligence and autonomous vehicles; satellites and anti-satellite weapons; verification and intelligence technologies; and chemical, biological, and radiological weapons.

0101	Steven Fetter M 4:15pm - 6:45pm	Seats (Total: 15) ASY 1213

PLCY610 **Quantitative Aspects of Public Policy**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY610 or PUAF610. Formerly: PUAF610.

Introduces statistical methods needed for evaluating and choosing among policy options. Topics include probability; decision-making under uncertainty; the organization, interpretation, and visual display of complex data; prediction and inferences about causality; hypothesis testing; and linear and multiple regression. Develops analytical skills and the ability to apply theory to complex, real-world problems.

0101	Alec Worsnop W 4:15pm - 6:45pm *This section has optional online discussion sessions, Fridays, 11 a.m - 12:30 p.m.*	Seats (Total: 40) TMH 0225
0201	Alec Worsnop Th 9:15am - 11:45am *This section has optional online discussion sessions, Fridays, 9:15am - 10:45am.*	Seats (Total: 40) TMH 0102

PLCY630 **Normative and Political Dimensions of Public Policy**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY630 or PLCY688E. Formerly: PLCY688E.

Explores the normative and political dimensions of governance--or policymaking--at the domestic (focusing on the US) and global levels. Policymaking involves a myriad of public and private actors at the local, national, transnational, and global levels that have competing aims and values. Their interaction produces formal and informal policies that affect the international order, interstate relations, subnational dynamics, and individuals. Drawing on theory from multiple disciplines and case examples, the course examines governance at these interrelated levels. Students learn core concepts, debates, and actors involved in policy making, develop tools to identify the causes and consequences of different policies, and build skills to influence public governance. Students also critically analyze how the actors, institutions, and scholarship covered perpetuate systemic racism and other inequities based on gender, class, ethnicity, sexual orientation, religion, dis/ability, etc.

0101	Catherine Worsnop W 9:15am - 11:45am	Seats (Total: 25) TMH 0102
0201	Catherine Worsnop Th 1:30pm - 4:00pm	Seats (Total: 25) TMH 0102

PLCY631 **Governance: Leadership, Management and Accountability**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY631 or PLCY688G. Formerly: PLCY688G.

Emphasizes that regardless of technical specialization, public policy practitioners are required to lead people and organizations, manage resources and processes, and be held accountable for their actions. Provides knowledge, insights, skills, and abilities to successfully participate in and contribute to the policy process and lead and manage in line with democratic norms and values. Shows the need to pursue efficiency, effectiveness, and speed while also prioritizing justice, equity, procedural fairness, and due process. Focuses on the "people" side of organizational life, ethical decision-making, and the ability to communicate effectively.

0101	Cullen Merritt W 9:15am - 11:45am	Seats (Total: 25) MMH 1304
0201	Elizabeth Duke Tu 9:15am - 11:45am	Seats (Total: 25) TMH 0102

PLCY640 **Microeconomic and Policy Analysis**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY640 or PUAF640. Formerly: PUAF640.

Applies intermediate microeconomic theory to public policy issues: resource allocation by firms and consumers; the response of economic agents to changes in incentives; market allocations in competitive and non-competitive environments; and market failures and government remedies. Uses extended case studies of particular issues in such areas as the environment (acid rain), international trade (tariffs), industry regulation (cable TV), and the provision of public goods (highways).

0101	Michael Busse	Seats (Total: 30)
	W 4:15pm - 6:45pm	HBK 1108
	This section has optional online discussion sessions, Fridays, 1:30pm - 3:00om.	
0201	Thomas Spreen	Seats (Total: 30)
	M 1:30pm - 4:00pm	TYD 1114
	This section has optional online discussion sessions, Fridays, 9:15am-10:45am.	

PLCY641 **Macroeconomics and Policy Analysis**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY641 or PUAF641. Formerly: PUAF641.

Studies the behavior of the economy as a whole: the level of national income, unemployment, and inflation; the vulnerability of the U.S. economy to external influences; possible federal influence over the level of economic activity; and the consequences for prices, employment and the U.S. trade deficit. Also examines possible U.S. policy responses to widespread debt crises in developing countries.

0201	John Green	Seats (Total: 27)
	Th 4:15pm - 6:45pm	TYD 1102
	This section has optional online discussion sessions, Fridays, 11am - 12:30pm.	

PLCY670 **Public Budgeting & Financial Management**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLYC670 or PUAF670. Formerly: PUAF670.

Covers how governments raise, spend, borrow, and manage public funds. Reviews federal,state, and local budget processes and introduces analytical techniques including basic spreadsheet skills, evaluating alternative revenue sources, revenue and expenditure forecasting, cost allocation, capital budgeting, cost-benefit analysis, discounting and present value, bond analysis, cash management and intergovernmental finance.

0101	Philip Joyce	Seats (Total: 30)
	Tu 1:30pm - 4:00pm	TMH 0102

PLCY680 **Examining Social Identity and Pluralism in Public Policy**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY680 or PLCY699D. Formerly: PLCY699D.

Understanding how groups and individuals develop and coexist in society is an essential part of public policy. Using the classroom as a laboratory, students will explore identity development and how the intersections of race, class, gender, sexual orientation, and other identities shape perceptions that inform decision-making and policy development. From historical scholars to current day movement leaders, this course equips students with tools necessary to critically analyze pluralism, power, and identity; and the skills needed to shape meaningful and equitable public policy and working and civic environments for all.

0101	Claire Dunning W 1:30pm - 4:00pm	Seats (Total: 26) TMH 0102
0201	Michael Woldemariam Tu 4:15pm - 6:45pm	Seats (Total: 25) WDS 1102

PLCY688C **Topics in Public Policy; Cyberspace: Legal and Policy Implications**

Credits: 3 Grading Method: Regular, Audit

Special topics in Public Policy.

0101	Charles Harry M 1:30pm - 4:00pm	Seats (Total: 20) KEY 0102

PLCY688F **Topics in Public Policy; State, Local & Non-Profit Financial Management**

Credits: 3 Grading Method: Regular, Audit

Special topics in Public Policy.

PWL1	Nekeya O'Connor Tu 7:00pm - 9:30pm	Seats (Total: 20) ONLINE
	Must be in Nonprofit Management and Leadership (GC), Online. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

PLCY688P **Topics in Public Policy; Science, Technology, and National Security**

Credits: 3 Grading Method: Regular, Audit

Special topics in Public Policy.

Cross-listed with PHYS688P and jointly offered with PHYS488P/PLCY488P. Credit only granted for PLCY488P, PHYS488P, PLCY688P, or PHYS688P. This course examines technologies of modern warfare and intelligence. Topics include the design, production, deployment, and effects of nuclear weapons; ballistic missiles and missile defense; bombers, cruise missiles, hypersonic weapons, and air defense; submarines and anti-submarine warfare; artificial intelligence and autonomous vehicles; satellites and anti-satellite weapons; verification and intelligence technologies; and chemical, biological, and radiological weapons. The grade will be determined by weekly problem sets and a take-home final exam. Knowledge of physics at the PHYS 141/142 level helpful but not essential.

0101	Steven Fetter	Seats (Total: 15)
	M 4:15pm - 6:45pm	ASY 1213

PLCY688U **Topics in Public Policy; Graduate Project**

(Perm req)

Credits: 3 Grading Method: Regular

Special topics in Public Policy.

In the Graduate Project Course, students apply skills to a real-world public policy or management issue through a policy project. Students engage an outside client to define and complete a professional project under the supervision of School faculty. The project utilizes skills and knowledge gained through SPP coursework, expands students' integrative capacity, and serves as a bridge to professional opportunities.

Contact department for information to register for this course.

PLCY688Z **Topics in Public Policy; Advocacy, Activism, and Organizing in Social Policy**

Credits: 3 Grading Method: Regular, Audit

Special topics in Public Policy.

Explore the critical role of advocacy, activism, and grassroots organizing in shaping social policy. We will cover the history, tactics,and ethical considerations of social movements, with an emphasis on how marginalized and underrepresented groups have mobilized to create lasting change. Key topics include coalition-building, lobbying, media and communication strategies, power dynamics in policymaking, and the intersectionality of advocacy efforts in addressing social justice issues. Students will leave the course with the knowledge and skills needed to contribute meaningfully to social policy debates, as well as the tools to organize and advocate for progressive change in their communities.

0101	Brandi Onowu	Seats (Total: 20)
	W 4:15pm - 6:45pm	JMZ 0103

PLCY689E **Public Policy Topics; Program Evaluation and Cost-Benefit Analysis**

Credits: 3 Grading Method: Regular, Audit

Special Topics in Public Policy.

Restricted to PLCY majors or by instructor permission.

0101	Susan Parker Tu 9:15am - 11:45am	Seats (Total: 18) KNI 1206

PLCY690 **Policy Engagement Project**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY690 or PLCY699X. Formerly: PLCY699X.

Students apply skills to a real-world public policy or management issue through a policy engagement (capstone) project. Students engage an outside client to define and complete a professional project under the supervision of School faculty. The project utilizes skills and knowledge gained through SPP coursework, expands students' integrative capacity, and serves as a bridge to professional opportunities. In this first half of a two-semester course sequence, students identify a client and problem, scope and define the problem, and draw up a plan of work. They perform background research on the problem, the context and relevant substantive domains. They also develop the research methodology for their project, which could include qualitative, quantitative, mixed methods, or other approaches. Projects vary in substantive focus and may encompass policy analysis, program evaluation, management or organizational studies, or comprehensive literature reviews.

0120	Margaret Brindle Tu 1:30pm - 4:00pm *Social, international, and nonprofit projects.*	Seats (Total: 15) TMH 1301
0140	Anand Patwardhan W 1:30pm - 4:00pm *Energy, environment and climate policy, and sustainability.*	Seats (Total: 15) JMZ 0118
0150	Paul Brown W 1:30pm - 4:00pm *Federal policymaking and policy advocacy, civic engagement, democracy reform projects.*	Seats (Total: 15) TMH 1301
0160	Angela Bies Tu 4:15pm - 6:45pm *Management, nonprofit, program evaluation, social policy interests, domestic and comparative international.*	Seats (Total: 15) TMH 1301

PLCY692 **Leadership Principles and Practices**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY692 or PUAF692. Formerly: PUAF692.

This course will introduce leadership principles and practices to students by focussing on the theory of leadership, different leadership themes and skills, and discussions with practitioners.

Contact department for information to register for this course.

PLCY698C **Selected Topics in Public Affairs; Intelligence and Policy: Executive, Congressional and Public Dimensions**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PLCY698N **Selected Topics in Public Affairs; Intelligence and National Security**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Special topics that arise in public policy.

PWL1	William Lahneman	Seats (Total: 25)
	Tu 7:00pm - 9:30pm	ONLINE
	Must be in the Intelligence Analysis (GC). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

PLCY698T **Selected Topics in Public Affairs; Managing Across Sectors**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Restricted to PLCY majors or instructor permission.

0101	Elizabeth Duke	Seats (Total: 20)
	M 9:15am - 11:45am	TMH 0102

PLCY699F **Selected Topics Public Policy; Ethics of Public Administration**

Credits: 1-3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PLCY699G **Selected Topics Public Policy; Leadership in Groups and Organizations**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PLCY699O Selected Topics Public Policy; 21st Century Policy Challenges

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PLCY700 Trade Policy, Geopolitics, Development and Climate

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy.

Examines challenges posed for international trade policy by geopolitical rifts, the increased weight of developing nations in the world economy, and climate deterioration. It covers the arguments for and against international trade amid polarized politics; how trade policy is made at the World Trade Organization, in Regional Deals, and in Washington, D.C; how businesses build global supply chains and deal with trade policy uncertainty; the trade policy of China and of developing nations more widely; and the role of trade and of trade policy in the fight against climate change.

Contact department for information to register for this course.

PLCY711 Public Management and Leadership

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY711 or PUAF711. Formerly: PUAF711.

Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.

Contact department for information to register for this course.

PLCY720 International Security Policy

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY720 or PUAF720. Formerly: PUAF720.

Reviews the principal features of international security as currently practiced. Traces the evolution of contemporary policy beginning with the initiation of nuclear weapons programs during World War II. Particular emphasis is given to experience of the United States and Russia, since the historical interaction between these two countries has disproportionately affected the international security conditions that all other countries now experience.

0101	Nancy Gallagher	Seats (Total: 20)
	W 4:15pm - 6:45pm	TLF 0110

PLCY734 **Foundations of Social Policy**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy. Credit only granted for: PLCY734 or PUAF734. Formerly: PUAF734.

Provides an overview of government's role in social policy and the history of the development of federal and state policies with respect to welfare, aging, education, and housing. Analyzes current federal institutions and legislation in the same policy areas and the demographic history of the United States. Develops skills in analytic writing and presentation of descriptive data.

0101	Niambi Carter	Seats (Total: 25)
	Tu 4:15pm - 6:45pm	ESJ B0324

PLCY735 **Health Policy**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: PLCY735 or PUAF735. Formerly: PUAF735.

Analyzes the origins, history, status, and future of health care as problems in political and economic theory and as puzzles in policy formation. Considers current American reform controversies in the light of several disciplines and in comparison to foreign experiences and structures.

0101	Robert Sprinkle	Seats (Total: 20)
	Th 4:15pm - 6:45pm	TMH 0102

PLCY741 **Global Environmental Problems**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY741 or PUAF741. Formerly: PUAF741.

Suitability of analytic tools for examining global environmental problems, human overpopulation, land abuse, ozone depletion, climate change, acid rain, loss of biological diversity, the scarcity of food, fresh water, energy and nonfuel mineral resources, and health hazards of pollutants toxic metals and radiation.

0101	Anand Patwardhan	Seats (Total: 20)
	W 9:15am - 11:45am	WDS 1131

PLCY744 **Environment and Development**

Credits: 3

Grading Method: Regular, Audit

Credit only granted for: PLCY744 or PUAF744. Formerly: PUAF744.

Analyzes sustainable development and its conflicting interpretations. The dominant view, as expressed in the World Bank's 1992 World Development Report, is studied, along with some critical responses. Further readings on issues of population, consumption and development indicators.

0101	Thomas Hilde	Seats (Total: 20)
	Th 7:00pm - 9:30pm	JMZ 0208

PLCY752 **Managing Differences:Resolving Conflict and Negotiating Agreements**

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY752 or PUAF752. Formerly: PUAF752.

Enhances the student's negotiation and leadership skills for managing differences between individuals and groups. Students study the nature of conflict, learn how to handle two and multiparty conflicts, exerting leadership where there are no hierarchy leaders, and explore the impact of facilitators and mediators on the negotiating process. Blends skill building exercises and theory discussions about the behavior of groups and individuals in groups to understand negotiation dynamics.

Contact department for information to register for this course.

PLCY780 **The American Foreign Policy-Making Process**

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY780 or PUAF780. Formerly: PUAF780.

Survey and analysis of the governmental institutions and processes which shape U.S. global engagement on national security and international economic issues. Particular emphasis is given to executive-congressional relations and the broader domestic roots of foreign policy.

0101	Aaron Mannes	Seats (Total: 20)
	Th 7:00pm - 9:30pm	KEY 0125

PLCY781 **International Economic Policy**

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY781 or PUAF781. Formerly: PUAF781.

Issues and choices facing the United States in today's global economy. Primary, but not exclusive, emphasis is given to "competitive interdependence" among advanced industrial societies.

0101	Julio Guzman	Seats (Total: 20)
	Tu 7:00pm - 9:30pm	TMH 0102
	Trade Policy	

PLCY783 **Development and Foreign Aid**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY783 or PUAF783. Formerly: PUAF698Q and PUAF783.

Examines the empirical, conceptual, and ethical dimensions of international development policies and U.S. foreign aid. What is the present character of development in poor countries/regions? How should development be conceived? What development strategies are best? What is and should be the purpose of U.S. foreign aide and development assistance?

0101	Margaret Brindle	Seats (Total: 20)
	M 4:15pm - 6:45pm	HBK 0123

PLCY798A **Readings in Public Policy**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Contact department for information to register for this course.

PLCY798B **Readings in Public Policy**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Contact department for information to register for this course.

PLCY798V **Readings in Public Policy; Policy Process Research and Theory**

Credits: 3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Must be in the PhD in Policy Studies program.

0101	Shanna Pearson-Merkowitz	Seats (Total: 16)
	Th 1:30pm - 4:00pm	TMH 1301

PLCY798X **Readings in Public Policy; Doctoral Seminar in Public Budgeting**

Credits: 3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Must be in the PhD in Policy Studies program. This course is designed to provide students with academic immersion into public budgeting theory and research. Students in the course will analyze the public budgeting literature, exploring the scholarly foundations as well as past and current reform efforts, both in the United States and abroad. Students will track the state of the practice in public budgeting for evidence of its intersection with theoretical perspectives. Students should leave this course with a thorough understanding of the normative and descriptive considerations of public budgeting, the scholarly bases behind various orientations to process, and a strong knowledge base regarding the enduring issues surrounding this vital governmental process.

0101	Philip Joyce	Seats (Total: 5)
	Contact instructor or department for details.	

PLCY798Y **Readings in Public Policy; Nonprofit Management and Leadership**

Credits: 3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

PWL1	Jeffrey Franco	Seats (Total: 19)
	W 4:15pm - 6:45pm	ONLINE
	Must be in the Nonprofit Management and Leadership (GC), Online. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

PLCY798Z **Readings in Public Policy; Qualitative Research Methods and Public Policy**

Credits: 3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Must be in the PhD in Policy Studies program.

0101	Peter Reuter	Seats (Total: 18)
	M 4:15pm - 6:45pm	TMH 1301

PLCY898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Restricted to students in the PhD in Policy Studies program (POSI).

Contact department for information to register for this course.

PLCY899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

PLSC Plant Sciences Fall 2025

PLSC115 **How Safe is Your Salad? The Microbiological Safety of Fresh produce**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: LS	General Education: DSNS, SCIS

Recommended: PLSC110 and PLSC111; or (PLSC112 and PLSC113); or BSCI105; or (BSCI170 and BSCI171).

As food is produced in larger quantities and made to travel longer distances, keeping our food safe in this day and age is an ever growing challenge. This course will focus on the question of what it takes to grow and maintain safe fruits and vegetables, as food travels along the path from the farm to your fork. Food safety of fresh produce will be discussed from the public health, agricultural, economical and policy perspectives.

0101	Shirley Micallef	Seats (Total: 24)	
	Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	PLS 1158 PLS 1153	Discussion

PLSC201 **Plant Structure and Function**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit		

Prerequisite: Minimum grade of C- in PLSC110 and PLSC111 or (PLSC112 and PLSC113); and minimum grade of C- in CHEM131 and CHEM132.

The relationship between plant structure and function and how the environment influences changes in the physiology to control higher plant growth and development are studied. Survey of the organizational structure of plants from the molecular to the morphological level and gain an understanding of how the plant functions to grow and reproduce.

Some course meetings will be held in the Research Greenhouse Complex.

0101	Pierre Jacob	Seats (Total: 42)	
	MWF 10:00am - 10:50am	PLS 1130	

PLSC203 **Plants, Genes and Biotechnology**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: LS	General Education: DSNS

Prerequisite: Minimum grade of C- in BSCI103; or minimum grade of C- in BSCI170 and BSCI171.

An overview of the history, genetics, and reproductive mechanisms for agronomic and horticultural plants that examines mechanisms of genetic improvement ranging from traditional plant breeding to tissue culture and genetic engineering. Social and political issues such as germplasm preservation and international intellectual property rights will also be discussed.

0101	Vijay Tiwari TuTh 9:30am - 10:45am	Seats (Total: 23) PLS 1158	

PLSC205 **Introduction to Turf Science and Management**

Credits: 4 Grading Method: Regular General Education: DSNL

Credit only granted for: PLSC205 or PLSC305. Formerly: PLSC305.

Principals of turf science and culture with emphasis on turfgrass anatomy, morphology, and physiology. The role of cultural interventions in achieving specific aesthetic and functional objectives is examined for multiple turf uses. Pest problems typically encountered in turfgrass management are also covered.

0101	Mark Carroll MWF 1:00pm - 1:50pm Tu 3:00pm - 5:00pm	Seats (Total: 22) PLS 1146 PBR 1102	 Lab

PLSC206 **Plant Structure and Function Laboratory**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PLSC201 or permission of instructor .

Provide hands-on experience for students who are concurrently taking PLSC201 or other interested students and train students how to collect quantitative data from plants and perform statistical analysis (i.e., Student's t-test and chi-square analysis) of the data using Excel. The students will also have opportunity to access and analyze biological datasets from publicly available sources to build phylogenetic trees and explore gene expression patterns.

Some course meetings will be held in the Research Greenhouse Complex.

0101	Uday Thera, Pierre Jacob M 3:30pm - 6:15pm	Seats (Total: 21) PLS 1153	 Lab
0102	Pierre Jacob, Uday Thera W 3:30pm - 6:15pm	Seats (Total: 21) PLS 1153	 Lab

PLSC253 **Woody Plants for Mid-Atlantic Landscapes I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in PLSC110 and PLSC111.

A field and laboratory study of trees, shrubs, and vines used in ornamental plantings. Major emphasis is placed on native deciduous plant materials.

0101	Karen Petroff	Seats (Total: 24)	
	WF 12:00pm - 12:50pm F 1:00pm - 3:50pm	PLS 1140 PLS 1140	 Lab
0102	Karen Petroff	Seats (Total: 24)	
	WF 12:00pm - 12:50pm F 1:00pm - 3:50pm	PLS 1140 PLS 1153	 Lab

PLSC389 **Internship**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit will be given for practical work carried out at one or more horticultural, agronomic, landscape industries, botanical gardens, or arboreta under formally arranged internships.

There will be two required real-time sessions, time to be determined. Prerequisite: Permission of AGNR-Plant Science & Landscape Architecture department. Restriction: Junior standing or higher. And must be in Plant Sciences program; or must be in Landscape Architecture program. Deadline to request permission to sign-up for the course is 6/16/2023. See Dr. Mark Carroll for more information. Credit will be given for practical work carried out at one or more horticultural, agronomic, landscape industries, botanical gardens, or arboreta under formally arranged internships.

0101	Mark Carroll	Seats (Total: 20)	
	Meets July 2, 2025 - November 12, 2025		
	Class time/details on ELMs	ONLINE	

PLSC399 **Special Problems in Plant Science**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research projects in Plant Science including field, greenhouse, laboratory, studio and/or library studies. Research is conducted under the direction of a faculty member.

Contact department for information to register for this course.

PLSC404 **Plant and Fungal Metabolism**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI170 and BSCI171; or minimum grade of C- in PLSC201 and PLSC206.

An introduction to biochemistry and metabolism in plants and fungi, covering the biosynthesis of compartments in plant and fungal cells with biological molecules such as nucleic acids, amino acids and lipids. Energy flow processes such as photosynthesis, carbohydrate metabolism and respiration, are covered in the course. The integration of different pathways in plant development and responses to environmental stresses will be discussed.

0101	Yiping Qi TuTh 11:00am - 12:15pm	Seats (Total: 20) PLS 1146	

PLSC420 Principles of Plant Pathology

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM131, CHEM132, and PLSC201; or students who have taken courses with comparable content may contact the department.

An introduction to the causal agents, nature and management of plant diseases with particular attention paid to economically important diseases of horticultural and agronomic crops.

0101	Nidhi Rawat TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:45pm	Seats (Total: 18) PLS 1164 PLS 1153	 Lab
0102	Nidhi Rawat TuTh 12:30pm - 1:45pm Th 2:00pm - 4:45pm	Seats (Total: 18) PLS 1164 PLS 1153	 Lab

PLSC433 Technology of Fruit and Vegetable Production

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in PLSC201, PLSC271, and ENST200; or students who have taken courses with comparable content may contact the department. Restriction: Junior standing or higher.

A critical analysis of research work and application of the principles of plant physiology, chemistry and botany to practical problems in the commercial production of fruit and vegetable crops.

Students must pay a $100.00 lab fee.

0101	Diana Cochran MW 11:00am - 12:15pm W 1:00pm - 4:50pm	Seats (Total: 10) PLS 1172 PLS 0123	 Lab

PLSC453 Weed Science

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Weed identification, ecology, and control (cultural, mechanical, biological, and chemical methods).

Labs will also occur in the Research Greenhouse.

0101	Kenneth Ingram	Seats (Total: 24)	
	MW 8:00am - 8:50am F 8:00am - 9:50am	PLS 1158 PLS 1153	Lab

PLSC476 **Data Wrangling and Visualization Using R**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: PLSC489R or PLSC476 . Formerly: PLSC489R.

Through a combination of lecture, hands-on demos, quizzes, and increasingly independent coding exercises and a project, you will learn the fundamentals of using the R statistical language. You will gain experience getting your data into R, wrangling it into the form needed for your chosen analysis, visualizing the data, getting your results out of those analyses, and documenting your workflow greater scientific community. Instead of focusing on a few specific types of analyses, you will learn basic skills and general principles that you can use to analyze data for your field.

0101	Maile Neel	Seats (Total: 23)	
	MW 9:00am - 10:50am	HJP 2217	

PLSC608 **Research Methods**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

An overview of research methods and applications related to plant sciences. Topics covered include current research advances, professional conduct and ethics, and preparation of grant proposals, manuscripts, and scientific presentations.

Prerequisite: permission of department. Repeatable to 6 credits if content differs. Credit will be granted for only one of the following: AGRO608, NRSC608, or PLSC608. Formerly NRSC608.

0101	Shunyuan Xiao, James Culver	Seats (Total: 20)	
	M 3:30pm - 5:30pm	PLS 1115	

PLSC608T **Research Methods; Supervised Teaching**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

An overview of research methods and applications related to plant sciences. Topics covered include current research advances, professional conduct and ethics, and preparation of grant proposals, manuscripts, and scientific presentations.

Prerequisite: permission of department.

Contact department for information to register for this course.

PLSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

PLSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

PLSC899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

PORT Portuguese Fall 2025

PORT103 **Intensive Elementary Portuguese**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate World Language Placement (WLP) score. Credit only granted for: PORT103 or PORT104. Formerly: PORT104.

Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.

0101	Barbara Zocal Da Silva	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 1103
	W 11:00am - 11:50am	JMZ 1103
	Class time/details on ELMs	ONLINE

PORT205 **Intermediate Reading and Conversation in Portuguese I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: PORT203; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Development of spoken Portuguese at intermediate level based on written assignments and exams on readings in a variety of genres.

0101	Barbara Zocal Da Silva	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	JMZ 1215
	Class time/details on ELMs	ONLINE

PORT234 **Issues in Latin American and Caribbean Studies I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO, D General Education: DSHS, DSHU, DVUP

Cross-listed with: LACS234, SPAN234. Credit only granted for: LASC234, PORT234, SPAN234, or LACS234. Formerly: LASC234.

Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Francisco Barrenechea Cuadra MW 3:30pm - 4:45pm	Seats (Total: 30) WDS 1114
0102	Jonathan Brower TuTh 2:00pm - 3:15pm	Seats (Total: 25) SQH 1111

PORT380 **Beyond Stereotypes: Identity, Power, Representation in Brazil**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

In recent decades, Brazil has undergone a profound reckoning with its national identity. Mainstream discourse has historically portrayed the country as a racial democracy, where diverse groups intermingled to form a harmonious and equitable society. However, this self-fashioned myth has been eroded as competing narratives struggle to define who belongs, how power is distributed, and whose voices are represented in Brazil's diverse cultural landscape. In this course, students examine how race, class, and gender have been re-conceptualized and contested, contributing to a reexamination of Brazilian culture, national identity, and society in the 21st century. We will explore how minority-led social movements and cultural production have challenged dominant narratives and exposed underlying power hierarchies. Through critical analysis of film, literature, music, and cultural theory, we will assess the country's evolving self-narrative.

0101	Thayse Leal Lima TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 2123

PORT386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of ARHU-School of Languages, Literatures, and Cultures department; and junior standing or higher.

Contact department for information to register for this course.

PORT399 **Independent Study in Portuguese**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Specific readings in literature under the supervision of a faculty member of the department.

Contact department for information to register for this course.

PSYC Psychology Fall 2025

The Department of Psychology enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

PSYC100 **Introduction to Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS, DSNS

A basic introductory course intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution.

Discussion sections do not meet until after first lecture. Research requirement: may involve participation in research.

Click here for more course information.

0101	Benjamin Jones Tu 9:00am - 10:40am F 9:00am - 9:50am Class time/details on ELMs	Seats (Total: 30) BRB 1101 PLS 1111 ONLINE	 Discussion Discussion
0102	Benjamin Jones Tu 9:00am - 10:40am F 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 30) BRB 1101 PLS 1111 ONLINE	 Discussion Discussion
0103	Benjamin Jones Tu 9:00am - 10:40am F 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 30) BRB 1101 HBK 0123 ONLINE	 Discussion Discussion
0104	Benjamin Jones Tu 9:00am - 10:40am F 2:00pm - 2:50pm Class time/details on ELMs	Seats (Total: 30) BRB 1101 BPS 1232 ONLINE	 Discussion Discussion
0105	Benjamin Jones Tu 9:00am - 10:40am F 3:00pm - 3:50pm Class time/details on ELMs	Seats (Total: 30) BRB 1101 PLS 1111 ONLINE	 Discussion Discussion
0106	Benjamin Jones Tu 9:00am - 10:40am F 8:00am - 8:50am Class time/details on ELMs	Seats (Total: 30) BRB 1101 BPS 1232 ONLINE	 Discussion Discussion
0107	Benjamin Jones Tu 9:00am - 10:40am F 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 30) BRB 1101 BPS 1232 ONLINE	 Discussion Discussion

0108	Benjamin Jones	Seats (Total: 30)	
	Tu 9:00am - 10:40am F 10:00am - 10:50am Class time/details on ELMs	BRB 1101 ATL 2416 ONLINE	 Discussion Discussion
0109	Benjamin Jones	Seats (Total: 30)	
	Tu 9:00am - 10:40am F 2:00pm - 2:50pm Class time/details on ELMs	BRB 1101 HBK 0123 ONLINE	 Discussion Discussion
0110	Benjamin Jones	Seats (Total: 30)	
	Tu 9:00am - 10:40am F 3:00pm - 3:50pm Class time/details on ELMs	BRB 1101 PLS 1113 ONLINE	 Discussion Discussion
0201	Abigail Nicolas	Seats (Total: 30)	
	Th 3:30pm - 4:50pm Class time/details on ELMs F 9:00am - 9:50am Class time/details on ELMs	BRB 1101 ONLINE BPS 1232 ONLINE	 Discussion Discussion
0202	Abigail Nicolas	Seats (Total: 30)	
	Th 3:30pm - 4:50pm Class time/details on ELMs F 10:00am - 10:50am Class time/details on ELMs	BRB 1101 ONLINE BPS 1232 ONLINE	 Discussion Discussion
0203	Abigail Nicolas	Seats (Total: 30)	
	Th 3:30pm - 4:50pm Class time/details on ELMs F 11:00am - 11:50am Class time/details on ELMs	BRB 1101 ONLINE PLS 1117 ONLINE	 Discussion Discussion
0204	Abigail Nicolas	Seats (Total: 30)	
	Th 3:30pm - 4:50pm Class time/details on ELMs F 12:00pm - 12:50pm Class time/details on ELMs	BRB 1101 ONLINE HBK 0123 ONLINE	 Discussion Discussion

0205	Abigail Nicolas	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	Class time/details on ELMs	ONLINE	
	F 3:00pm - 3:50pm	HBK 0123	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0206	Abigail Nicolas	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	Class time/details on ELMs	ONLINE	
	F 9:00am - 9:50am	HBK 0123	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0207	Abigail Nicolas	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	Class time/details on ELMs	ONLINE	
	F 10:00am - 10:50am	HBK 0123	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0208	Abigail Nicolas	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	Class time/details on ELMs	ONLINE	
	F 11:00am - 11:50am	PLS 1111	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0209	Abigail Nicolas	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	Class time/details on ELMs	ONLINE	
	F 12:00pm - 12:50pm	BPS 1232	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0210	Abigail Nicolas	Seats (Total: 30)	
	Th 3:30pm - 4:50pm	BRB 1101	
	Class time/details on ELMs	ONLINE	
	F 3:00pm - 3:50pm	BPS 1232	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0301	Yevgeny Botanov	Seats (Total: 30)	
	Tu 2:00pm - 3:40pm	BRB 1101	
	Class time/details on ELMs	ONLINE	
	Tu 5:00pm - 5:50pm	ONLINE	Discussion

0302	Yevgeny Botanov Tu 2:00pm - 3:40pm Class time/details on ELMs W 12:00pm - 12:50pm	Seats (Total: 30) BRB 1101 ONLINE ONLINE	 Discussion
0303	Yevgeny Botanov Tu 2:00pm - 3:40pm Class time/details on ELMs W 1:00pm - 1:50pm	Seats (Total: 30) BRB 1101 ONLINE ONLINE	 Discussion
0304	Yevgeny Botanov Tu 2:00pm - 3:40pm Class time/details on ELMs W 10:00am - 10:50am	Seats (Total: 30) BRB 1101 ONLINE ONLINE	 Discussion
0305	Yevgeny Botanov Tu 2:00pm - 3:40pm Class time/details on ELMs F 10:00am - 10:50am	Seats (Total: 30) BRB 1101 ONLINE ONLINE	 Discussion
0306	Yevgeny Botanov Tu 2:00pm - 3:40pm Class time/details on ELMs W 11:00am - 11:50am	Seats (Total: 30) BRB 1101 ONLINE ONLINE	 Discussion
0307	Yevgeny Botanov Tu 2:00pm - 3:40pm Class time/details on ELMs W 4:00pm - 4:50pm	Seats (Total: 27) BRB 1101 ONLINE ONLINE	 Discussion
0308	Yevgeny Botanov Tu 2:00pm - 3:40pm Class time/details on ELMs F 9:00am - 9:50am	Seats (Total: 27) BRB 1101 ONLINE ONLINE	 Discussion
0309	Yevgeny Botanov Tu 2:00pm - 3:40pm Class time/details on ELMs F 11:00am - 11:50am	Seats (Total: 27) BRB 1101 ONLINE ONLINE	 Discussion

0310	Yevgeny Botanov Tu 2:00pm - 3:40pm Class time/details on ELMs F 11:00am - 11:50am	Seats (Total: 27) BRB 1101 ONLINE ONLINE	Discussion
0401	Dirk Parham MW 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 50) ONLINE ONLINE	
FC01	Heather Ganginis DelPino F 1:00pm - 2:40pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 40) BPS 1238 ONLINE	Discussion
FC02	Heather Ganginis DelPino TuTh 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 40) BPS 1238	
FC03	Benjamin Jones MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 40) BPS 1236	
FC04	Benjamin Jones MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 40) BPS 1236	

PSYC123 **The Psychology of Getting Hired**

Credits: 1 Grading Method: Regular

Restriction: Must not be in a Robert H. Smith School of Business degree program. Additional information: Cannot be used in place of BMGT367 toward a degree program in the Robert H. Smith School of Business.

Designed to introduce students to the science behind the hiring process and to prepare individuals with the academic and practical training required. Together we will explore psychological principles that influence the selection process and how individuals can apply them for the competitive edge that makes others Fear the Turtle!

0101	Erica Ely Class time/details on ELMs	Seats (Total: 100) ONLINE	

0201	Erica Ely Class time/details on ELMs	Seats (Total: 100) ONLINE	

PSYC200 **Statistical Methods in Psychology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSAR

Prerequisite: PSYC100; and 1 course with a minimum grade of C- from (STAT100, MATH107, MATH111, MATH120, MATH130, MATH136, or MATH140).

A basic introduction to quantitative methods used in psychological research.

Restricted to PSYC majors, NEUR majors or Social Data Science - Psychology track.

0101	Tracy Tomlinson TuTh 8:00am - 9:15am M 9:00am - 9:50am Class time/details on ELMs	Seats (Total: 28) JMZ 0220 ATL 1113 ONLINE	 Discussion Discussion
0102	Tracy Tomlinson TuTh 8:00am - 9:15am M 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 28) JMZ 0220 ATL 1113 ONLINE	 Discussion Discussion
0103	Tracy Tomlinson TuTh 8:00am - 9:15am M 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 28) JMZ 0220 ATL 1434 ONLINE	 Discussion Discussion
0104	Tracy Tomlinson TuTh 8:00am - 9:15am M 2:00pm - 2:50pm Class time/details on ELMs	Seats (Total: 28) JMZ 0220 ATL 2428 ONLINE	 Discussion Discussion
0105	Tracy Tomlinson TuTh 8:00am - 9:15am M 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 28) JMZ 0220 ATL 2400 ONLINE	 Discussion Discussion
0201	Tracy Tomlinson TuTh 9:30am - 10:45am M 9:00am - 9:50am Class time/details on ELMs	Seats (Total: 28) JMZ 0220 ATL 1113 ONLINE	 Discussion Discussion

0202	Tracy Tomlinson TuTh 9:30am - 10:45am M 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 28) JMZ 0220 ATL 1113 ONLINE	 Discussion Discussion
0203	Tracy Tomlinson TuTh 9:30am - 10:45am M 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 28) JMZ 0220 ATL 1434 ONLINE	 Discussion Discussion
0204	Tracy Tomlinson TuTh 9:30am - 10:45am M 2:00pm - 2:50pm Class time/details on ELMs	Seats (Total: 28) JMZ 0220 ATL 2428 ONLINE	 Discussion Discussion
0205	Tracy Tomlinson TuTh 9:30am - 10:45am M 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 28) JMZ 0220 ATL 2400 ONLINE	 Discussion Discussion

PSYC221 **Social Psychology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DSSP

Prerequisite: PSYC100.

The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, personal perception, interpersonal attraction, and group behavior.

0101	Abigail Nicolas MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 150) ESJ 1224 BPS 1250	 Discussion
0201	Linda Zou MWF 2:00pm - 2:50pm	Seats (Total: 150) SHM 2102	
0301	Dirk Parham Class time/details on ELMs	Seats (Total: 75) ONLINE	
0401	Dirk Parham Class time/details on ELMs	Seats (Total: 75) ONLINE	

FC01	Jacob Coutts	Seats (Total: 40)	
	MW 6:00pm - 7:15pm Class time/details on ELMs	BPS 0283 ONLINE	Discussion
	Restricted to students in Freshmen Connection.		

PSYC234 **Living the Good Life: The Psychology of Happiness**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

Credit only granted for: PSYC234 or PSYC289D. Formerly: PSYC289D.

What are the secrets to living a happy life? Can happiness be found within the context of war, a depressed economy, violence and other major stressors? Are some people born happier than others? This course will teach you the scientific process that psychologists use to study happiness (and related emotional variables) and give you the opportunity to practice applying that process in a number of ways. You will learn how we (a) gather and critically evaluate research findings in the existing literature, (b) integrate those findings into coherent and testable theories, (c) design and conduct valid scientific research that tests those theories and extends our knowledge, and (d) effectively communicate our theories and findings to a wide range of audiences. The result of the process is a more accurate and objective understanding of happiness, and that is what prepares you to apply your scientific understanding to explain and influence a wide range of outcomes.

0101	Abigail Nicolas	Seats (Total: 135)	
	MW 3:30pm - 4:45pm	BPS 1250	
FC01	Manuel Teran Hernandez	Seats (Total: 38)	
	TuTh 3:00pm - 4:15pm	PHY 0405	
	Restricted to students in Freshmen Connection. Freshmen Connection students must send an email to fc@umd.edu to request permission to enroll in this section.		

PSYC300 **Research Methods in Psychology Laboratory**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Prerequisite: PSYC200. Restriction: Must be in Psychology program or Social Data Science - Psychology Track.

A general introduction and overview to the fundamental theoretical, conceptual, and practical issues in psychological research in both the laboratory and the field.

Restricted to PSYC majors, NEUR majors or Social Data Science - Psychology track.

0101	Amanda Chicoli	Seats (Total: 18)	
	MW 10:00am - 10:50am F 10:00am - 11:50am	ESJ 1202 BPS 0283	Discussion

0102	Amanda Chicoli MW 10:00am - 10:50am Th 4:00pm - 5:50pm	Seats (Total: 18) ESJ 1202 HBK 0125	Discussion
0103	Amanda Chicoli MW 10:00am - 10:50am W 4:00pm - 5:50pm	Seats (Total: 18) ESJ 1202 PLS 1172	Discussion
0104	Amanda Chicoli MW 10:00am - 10:50am Th 4:00pm - 5:50pm	Seats (Total: 18) ESJ 1202 BPS 1232	Discussion
0105	Amanda Chicoli MW 10:00am - 10:50am F 12:00pm - 1:50pm	Seats (Total: 18) ESJ 1202 BPS 0283	Discussion
0106	Amanda Chicoli MW 10:00am - 10:50am W 4:00pm - 5:50pm	Seats (Total: 18) ESJ 1202 PLS 1129	Discussion
0201	Ana Navarro Cebrian TuTh 9:30am - 10:45am Th 4:00pm - 5:50pm	Seats (Total: 18) ESJ 2208 ATL 1106	Discussion
0202	Ana Navarro Cebrian TuTh 9:30am - 10:45am F 10:00am - 11:50am	Seats (Total: 18) ESJ 2208 BPS 1228	Discussion
0203	Ana Navarro Cebrian TuTh 9:30am - 10:45am F 12:00pm - 1:50pm	Seats (Total: 18) ESJ 2208 ATL 0201	Discussion
0204	Ana Navarro Cebrian TuTh 9:30am - 10:45am F 2:00pm - 3:50pm	Seats (Total: 18) ESJ 2208 PLS 1115	Discussion
0205	Ana Navarro Cebrian TuTh 9:30am - 10:45am W 4:00pm - 5:50pm	Seats (Total: 18) ESJ 2208 PLS 1115	Discussion

0206	Ana Navarro Cebrian	Seats (Total: 18)	
	TuTh 9:30am - 10:45am F 12:00pm - 1:50pm	ESJ 2208 PLS 1172	Discussion

PSYC302 **Fundamentals of Learning and Behavior**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100, BSCI170, and BSCI171. Restriction: Restricted to psychology majors during the registration period; all other majors will be placed on a hold file.

Overview of the fundamental types of learning that occur without formal instruction. The course covers fundamentals of classical and instrumental conditioning as studied in a variety of species in addition to more modern theories of learning. We will then explore how these principles influence diverse processes such as memory, attention, extinction, categorization, motivation, and in some cases, how they are implemented in the brain and disrupted in disease.

Restricted to PSYC majors, or NEUR majors.

0101	Amanda Chicoli	Seats (Total: 50)
	TuTh 2:00pm - 3:15pm	MCB 1207

PSYC303 **Professional Development for Psychology Majors**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC123; or permission from the instructor with a completed resume. Restriction: Must have earned a minimum of 60 credits; and must be in the Psychology major.

An investigation of various career and graduate school opportunities available to psychology majors. Students will learn about a wide range of career fields, will learn how to utilize available resources to pursue career goals, and will take steps to advance their professional identity and development.

Restricted to PSYC majors; Must have earned a minimum of 60 credits.

0101	Jose Lima Rosas	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

PSYC304 **Biological Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNS

Prerequisite: PSYC100, BSCI170 and BSCI171; or equivalent. Credit only granted for: PSYC301 or PSYC304. Formerly: PSYC301.

Biological Psychology is the study of the physiological basis of behavior. In this course, we will first cover the basic principles of brain organization and neural transmission. We will then introduce traditional and modern research techniques in the field of behavioral neuroscience. The last portion of the course focuses on specific topics including psychopharmacology, learning and memory, emotion, stress, drug of abuse, neurological disorders (e.g., Alzheimer's disease and Parkinson's disease) and schizophrenia.

Restricted to PSYC majors.

0101	Anna Li	Seats (Total: 117)
	TuTh 12:30pm - 1:45pm	BPS 1250

PSYC309D **Special Topics in Psychology; Living the Moral Life: Introduction to Ethics for Psychology Students**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of current interest which represent extensions of or additions to topics covered in more general topical courses.

Prerequisite: PSYC100. Restricted to PSYC majors. We will examine major ethical theories, as well as real-world ethical problems that you can encounter in your academic, professional, and personal lives. Examples include ethical challenges in medicine and other helping professions (privacy, informed consent, euthanasia), in research (plagiarism, fraud, conflict of interest), in the legal world (proportional punishment, death penalty), and at the societal level (responses to poverty and discrimination).

0101	David Yager	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CCC 1115

PSYC309R **Special Topics in Psychology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Topics of current interest which represent extensions of or additions to topics covered in more general topical courses.

Permission Required.

0101	Nazish Salahuddin	Seats (Total: 24)
	W 1:00pm - 1:50pm	BPS 1238

PSYC330 **Child Psychopathology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100. Restriction: Must be in Psychology program or Social Data Science - Psychology Track. Credit only granted for: PSYC309B or PSYC330. Formerly: PSYC309B.

Etiology, diagnosis, prevention and treatment of emotional disorders of childhood and adolescence.

Restricted to PSYC majors or Social Data Science - Psychology track.

0101	Andrea Chronis-Tuscano	Seats (Total: 100)
	TuTh 11:00am - 12:15pm	BPS 1243

PSYC332 **Psychology of Human Sexuality**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100.

A survey of historical and contemporary psychological views on a wide variety of sexual behaviors; theory and research bearing on the relationship between life span psychological development, psychological functioning, interpersonal processes and sexual behaviors; political and social issues involved in current sexual norms and practices.

Contact department for information to register for this course.

PSYC336 **Psychology of Women**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DSHS

Prerequisite: PSYC100. Cross-listed with: WGSS336. Credit only granted for: PSYC336, WMST336 or WGSS 336. Formerly: WMST336.

A study of the biology, life span development, socialization, personality, mental health, and special issues of women.

Note: Students will be expected to engage in asynchronous coursework Friday's during the semester.

0101	Monica Cushnie	Seats (Total: 110)
	MW 11:00am - 11:50am Class time/details on ELMs	ESJ 1202 ONLINE

PSYC338D **Special Topics in Study Abroad III; Developmental Disorders**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

PSYC338K **Special Topics in Study Abroad III; Forensic Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

PSYC338L **Special Topics in Study Abroad III; Dynamic Project Leadership**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

PSYC338N **Special Topics in Study Abroad III; Neuroscience of Fear**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

PSYC338P **Special Topics in Study Abroad III; Positive Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

PSYC341 **Introduction to Memory and Cognition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC200 and PSYC300.

An introduction to the basic concepts of cognitive psychology, the scientific study of mental processes. Topics will include perception, attention, memory, reasoning, and language, with an emphasis on how findings from cognitive psychology can inform real-life thinking (e.g., memory strategies for studying, pitfalls of multitasking, and how/why our memories can fail us).

Restricted to PSYC majors, or NEUR majors.

0101	Marissa Hartwig	Seats (Total: 117)
	TuTh 12:30pm - 1:45pm	JMZ 0220

PSYC344 **Health Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100; or permission of instructor. Restriction: Must be in the Psychology program; or must be in a major within the School of Public Health; or permission of instructor. Credit only granted for: PSYC489U or PSYC344. Formerly: PSYC489U.

An examination of how psychological, biological, and social factors impact physical health and well-being. Students will use the biopsychosocial model to analyze topics including stress, health disparities, pain, addiction, disease states (e.g., cardiovascular disease, diabetes, cancer), and primary prevention.

Restricted to PSYC majors or School of Public Health.

0101	Henry Willis	Seats (Total: 75)	
	MW 3:00pm - 3:50pm	ESJ 0215	
	Class time/details on ELMs	ONLINE	Discussion

PSYC353 **Adult Psychopathology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100. Restriction: Must be in Psychology program or Social Data Science - Psychology Track.

The nature, diagnosis, etiology, and treatment of mental disorders.

Restricted to PSYC majors or Social Data Science - Psychology track.

0101	Nadia Bounoua	Seats (Total: 117)
	TuTh 2:00pm - 3:15pm	JMZ 0220

PSYC354 **Multicultural Psychology in the U.S.**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DSHS

Prerequisite: PSYC100.

What are the psychological implications of racism, sexism, homophobia and other structures of inequality in the United States? How do socio-cultural privilege and oppression influence individual and group thoughts, feelings, and behaviors? This course will take a current events focus to understanding multicultural and social justice issues in psychology with an emphasis on self-reflection, mental health, cross-cultural communication, and strategies for social change.

Note: Students will be expected to engage in asynchronous coursework Friday's during the semester.

0101	Monica Cushnie	Seats (Total: 150)
	MW 10:00am - 10:50am	ESJ 2208
	Class time/details on ELMs	ONLINE

PSYC355 **Developmental Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100.

Survey of research and theory of psychological development from conception through childhood, stressing physiological, conceptual and behavioral changes, and the social and biological context in which individuals develop.

Restricted to PSYC majors.

0101	Fanita Tyrell	Seats (Total: 150)
	TuTh 11:00am - 12:15pm	ESJ 2204

PSYC361 **Survey of Industrial and Organizational Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100.

A general survey of the field of industrial organizational psychology including such topics as organizational entry (recruitment, selection, training, socialization); organizational psychology (motivation, leadership, job attitudes); productivity in the workplace (performance appraisal, absenteeism, turnover), and the role that the larger environment plays in influencing work behaviors and work attitudes.

Restricted to PSYC majors.

0101	James Grand	Seats (Total: 75)
	TuTh 9:30am - 10:45am	PLS 1130

PSYC381 **Community Interventions: Domestic Violence I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100. Restriction: Preference given to majors in Human Development, Psychology, and Women, Gender and Sexuality Studies. Credit only granted for: PSYC318D, PSYC381, WMST498A or WGSS498A. Formerly: PSYC318D. Additional information: Students who successfully complete this course may be eligible to enroll in PSYC319 - a service learning class in which students volunteer in the community to work with children who have experienced domestic violence and/or homelessness.

Study theories and research related to the dynamics and effects of intimate partner violence on women and children. Learn about community resources and interventions for survivors of domestic violence. Examine theoretical writings and research findings regarding the effects of gender, culture, race/ethnicity, and socioeconomic status on the experiences of intimate partner violence survivors and their children.

Restricted to PSYC majors; Preference also given to WGSS and EDHD.

0101	Karen O'Brien	Seats (Total: 35)
	MW 10:00am - 11:15am	PLS 1158

PSYC389 **Experiential Learning**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Internship in psychology-related fields.

A course for undergraduate psychology majors to earn academic credit for an approved psychology-related internship experience. Information about the course may be obtained in BPS1121, or by contacting the instructor. Restricted to PSYC majors only.

0101	Steven Young	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

PSYC403 **Animal Behavior**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC202 or NEUR200.

Reviews the theoretical framework underlying the study of animal behavior. The genetic, hormonal and physiological basis of behavior, and the relation to ecological and evolutionary processes will be discussed using examples that range from invertebrate animals to humans.

Restricted to PSYC and NEUR majors only.

Contact department for information to register for this course.

PSYC404 **Introduction to Behavioral Pharmacology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC202 or NEUR200. Restriction: Must be in Psychology program.

Theoretical viewpoints on the interaction of drugs and behavior. Basic principles of pharmacology, the effects of drugs on various behaviors, experimental analysis of drug dependence and abuse, and neuropharmacology and behavior.

Restricted to PSYC majors, or NEUR majors.

0101	Ana Navarro Cebrian	Seats (Total: 50)
	TuTh 11:00am - 12:15pm	BPS 1236

PSYC407 **Behavioral Neurobiology Laboratory**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC300; and (PSYC202 or NEUR200). Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.

In this lab course, you will collect behavioral and physiological data in humans using classic behavioral paradigms, design models of neural circuits that can explain those behaviors, record neural activity from the roach, and write lab reports describing your results and how they relate to patients with psychiatric illnesses.

Restricted to PSYC majors, or NEUR majors; Must have earned a minimum of 85 credits.

0101	Matthew Roesch M 9:00am - 9:50am W 8:00am - 11:00am	Seats (Total: 8) JMZ 0205 BPS 0263	 Lab
0201	Matthew Roesch M 9:00am - 9:50am W 12:00pm - 3:00pm	Seats (Total: 8) JMZ 0205 BPS 0263	 Lab
0301	Matthew Roesch M 9:00am - 9:50am F 12:00pm - 3:00pm	Seats (Total: 8) JMZ 0205 BPS 0263	 Lab

PSYC409 **Topics in Neurosciences Seminar**

(Perm req)

Credits: 1 Grading Method: Regular

Current research in neurosciences will be presented, read, and discussed. Emphasis will change each term.

Restricted to NEUR minor. For students in the neuroscience minor. Research presentations on selected topics in neuroscience. Review and discussion of background readings related to research presentations take place on alternate weeks. Restricted to students in the neuroscience minor.

0101	Amanda Chicoli W 3:00pm - 4:50pm	Seats (Total: 40) ATL 1114

PSYC417 **Data Science for Psychology and Neuroscience Majors**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC200 and PSYC300; and (MATH120, MATH130, or MATH140). Credit only granted for: PSYC489D or PSYC417. Formerly: PSYC489D.

A large number of industry and academic jobs require basic programming and data analysis skills. This class represents an introduction to both. Students will learn to program in R and will briefly be introduced to Python, the two most popular programming languages for data science. Common constructs shared by a variety of procedural programming languages will be emphasized. Basic statistics and probability theory will be reviewed from a computational perspective, and more advanced topics introduced. During the course, students will simulate toy data sets which they will then analyze knowing how the data came about, as well as work with real data. The class is highly hands-on with a large number of in-class lab and homework projects. Expect to work a lot and move quickly. Because of the hands-on nature of the class, the overall focus is more on application and execution rather than theory. However, some theory is covered at a high level so that students are aware of why they are doing something, rather than mindlessly writing code.

Restricted to PSYC majors, or NEUR majors; Must have earned a minimum of 85 credits.

0101	Jacob Coutts MW 1:00pm - 3:00pm	Seats (Total: 24) PLS 1129	
0201	Caroline Charpentier TuTh 12:30pm - 2:30pm	Seats (Total: 24) PLS 1129	

PSYC420 Experimental Psychology: Social Psychology Laboratory

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC300 and PSYC221. Restriction: Must be in Psychology program or Social Data Science - Psychology Track; and must have earned a minimum of 85 credits.

A laboratory course to provide a basic understanding of experimental methods in social psychology and experience in conducting research on social processes.

Restricted to PSYC majors or Social Data Science - Psychology track; Must have earned a minimum of 85 credits.

0101	Edward Lemay MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 15) JMZ 2122 LEF 0225	 Lab
0102	Edward Lemay MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 15) JMZ 2122 LEF 0225	 Lab
0201	Edward Lemay MW 11:00am - 11:50am Th 2:00pm - 3:50pm	Seats (Total: 15) JMZ 2122 LEF 0231	 Lab
0202	Edward Lemay MW 11:00am - 11:50am Th 2:00pm - 3:50pm	Seats (Total: 15) JMZ 2122 LEF 0231	 Lab

PSYC425 Psychology and Law

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100, PSYC200, and PSYC300. Restriction: Must be in Psychology program or Social Data Science - Psychology Track. Credit only granted for: PSYC325 or PSYC425.

An introduction to the intersection of psychology and the criminal justice system, known as the field of legal psychology. The material covered will span the course of the criminal justice process and examine each aspect from a psychological perspective beginning with profiling and moving on to eyewitness memory and judgements through perpetrator memories and interrogation techniques. These aspects will be evaluated with a research lens as well as an applied outlook.

Restricted to PSYC majors or Social Data Science - Psychology track.

0101	Tracy Tomlinson	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	BPS 1232

PSYC432 **Counseling Psychology: Theories, Research, and Practice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC200.

Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology.

Restricted to PSYC majors. Note: Students will be expected to engage in asynchronous coursework Friday's during the semester.

Click here for sample course syllabus.

0201	Monica Cushnie	Seats (Total: 100)	
	MW 2:00pm - 2:50pm	TWS 0310	
	Class time/details on ELMs	ONLINE	Discussion

PSYC433 **Basic Helping Skills: Research and Practice**

Credits: 4 Grading Method: Regular

Prerequisite: PSYC300. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits; and must not have completed or be concurrently enrolled in EDCP 310. Credit only granted for: EDCP210, EDCP310, or PSYC433.

Theories and research regarding effective helping relationships, with a focus on applications to counseling and psychotherapy. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Attendance in labs is mandatory and contributes to the course grade; thus, students should only enroll in a lab section that they will be able to attend consistently.

Restricted to PSYC majors; Must have earned a minimum of 85 credits; Must not have completed or be concurrently enrolled in EDCP 210.

0101	Heather Ganginis DelPino Tu 2:00pm - 3:50pm W 9:00am - 10:50am	Seats (Total: 12) BPS 1250 ONLINE	Lab
0102	Heather Ganginis DelPino Tu 2:00pm - 3:50pm W 11:00am - 12:50pm	Seats (Total: 12) BPS 1250 ONLINE	Lab
0103	Heather Ganginis DelPino Tu 2:00pm - 3:50pm Th 4:00pm - 5:50pm	Seats (Total: 12) BPS 1250 ONLINE	Lab
0104	Heather Ganginis DelPino Tu 2:00pm - 3:50pm W 3:00pm - 4:50pm	Seats (Total: 12) BPS 1250 ONLINE	Lab
0105	Heather Ganginis DelPino Tu 2:00pm - 3:50pm Th 2:00pm - 3:50pm	Seats (Total: 12) BPS 1250 ONLINE	Lab
0106	Heather Ganginis DelPino Tu 2:00pm - 3:50pm F 9:00am - 10:50am	Seats (Total: 12) BPS 1250 ONLINE	Lab
0107	Heather Ganginis DelPino Tu 2:00pm - 3:50pm F 11:00am - 12:50pm	Seats (Total: 12) BPS 1250 ONLINE	Lab
0108	Heather Ganginis DelPino Tu 2:00pm - 3:50pm F 1:00pm - 2:50pm	Seats (Total: 12) BPS 1250 ONLINE	Lab
0109	Heather Ganginis DelPino Tu 2:00pm - 3:50pm F 1:00pm - 2:50pm	Seats (Total: 12) BPS 1250 ONLINE	Lab

PSYC436 **Introduction to Clinical Psychology: From Science to Practice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC300.

Critical analysis of clinical psychology, with particular emphasis on current developments and trends.

Restricted to PSYC majors.

0101	Andres De Los Reyes MWF 11:00am - 11:50am	Seats (Total: 75) ESJ 1215

PSYC437 **The Assessment and Treatment of Addictive Behaviors**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100; and 9 credits in PSYC courses.

Explores the current research in assessment and treatment of addictive behaviors. Topics may include addictions in the areas of alcohol, drugs, nicotine, gambling, and eating.

Restricted to PSYC majors. This course focuses on issues surrounding diversity and the interactions of stigmatized and non-stigmatized individuals, with an emphasis on the context of work. We will cover issues related to diversity and discrimination from several different perspectives, including: the person(s) being stigmatized, the person(s) doing the stigmatizing, the bystander(s) witnessing stigmatization of others, and the organization.

0101	Edward Bernat MW 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 50) BPS 1236 ONLINE
0201	Edward Bernat MW 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 80) ATL 1113 ONLINE

PSYC440 **Experimental Psychology: Cognitive Processes and Legal Applications**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100, PSYC200, PSYC300 and PSYC341. Restriction: Must be in Psychology program or Social Data Science - Psychology Track; and must have earned a minimum of 85 credits.

A survey of the content, models, and methods in cognitive psychology with an emphasis on attention and encoding, recall, recognition, judgment, signal detection theory, and applying cognitive theories to situations in the legal system. Students integrate scientific theories with real-life legal situations. Course topics include research methodology in assessing and addressing cognitive mechanisms and how this understanding may help eyewitness and victim recall and recognition, perpetrator recall, assessing scientific theories of repression, and real life examples.

Restricted to PSYC majors or Social Data Science -Psychology track; Must have earned a minimum of 85 credits.

0101	Tracy Tomlinson	Seats (Total: 24)	
	TuTh 2:00pm - 3:15pm W 1:00pm - 2:50pm	HBK 0123 ATL 1106	Lab

PSYC442 **Psychology of Language**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC300 and PSYC341. Restriction: Must be in Psychology program.

Introductory survey of the psychology of language, focusing on the cognitive processes that enable us to produce and understand language. Topics include speech perception, speech production, syntactic processing, language development, language disorders, and the brain bases of language.

Contact department for information to register for this course.

PSYC447 **Diversity in Organizations**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: PSYC300. Credit only granted for: PSYC489E or PSYC447. Formerly: PSYC489E.

Overview and active discussion of issues related to diversity and discrimination in organizations from several different perspectives, including: the person(s) being stigmatized, the person(s) doing the stigmatizing, the bystander(s) witnessing stigmatization of others, and the organization. Course readings address each of these perspectives, along with an introductory unit that outlines key concepts of diversity.

Restricted to PSYC majors.

0101	Jennifer Wessel	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	CCC 1111	

PSYC450 **Applying Psychology to the Workplace: Industrial Organizational Psychology Laboratory**

Credits: 4 Grading Method: Regular, Pass-Fail

Prerequisite: PSYC300.

In this laboratory course, students use data analytic techniques, along with psychology theories and principles, to solve problems and provide recommendations to mock organizations. Along with learning theories in industrial-organizational psychology and statistical analysis, students will improve personal presentation skills that promote effective communication of information.

Restricted to PSYC majors; Must have earned a minimum of 85 credits.

0101	Benjamin Jones	Seats (Total: 15)	
	MW 10:00am - 10:50am F 10:00am - 11:50am	HBK 1112 ATL 0201	Lab

0102	Benjamin Jones MW 10:00am - 10:50am F 12:00pm - 1:50pm	Seats (Total: 15) HBK 1112 PLS 1111	 Lab
0201	Benjamin Jones MW 2:00pm - 2:50pm Th 9:00am - 10:50am	Seats (Total: 15) BPS 1228 BPS 1232	 Lab
0202	Benjamin Jones MW 2:00pm - 2:50pm Th 12:00pm - 1:50pm	Seats (Total: 15) BPS 1228 PLS 1119	 Lab

PSYC464 **Psychology of Leaders in Work Organizations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC200 and PSYC361.

The psychological assumptions and implications of various theories of management and leadership. Selections and training; development of careers; influence processes; change of managerial behavior; and the impact of the larger environment, nature of product or service, and organization structure on managerial behavior.

Restricted to PSYC majors.

0101	Paul Hanges TuTh 2:00pm - 3:15pm	Seats (Total: 40) BPS 1238

PSYC468H **Field Experience and Special Assignments in Honors**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

An individual experience arranged by the honors student and his or her supervisor. A proposal submitted to the honors faculty in the semester preceding registration for the course should state the activities anticipated and the method of evaluation.

0403	Jennifer Wessel Contact instructor or department for details.	Seats (Total: 5)
3008	Jacob Coutts Contact instructor or department for details.	Seats (Total: 5)

PSYC469H **Honors Thesis Proposal Preparation**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Development of honors thesis proposal by preliminary research and literature review. Presentation of formal proposal to the thesis committee.

Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC478 **Independent Study in Psychology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Course credit related to independent study (IS) activity within the Department of Psychology, such as serving as a Teaching Assistant (TA) for a faculty member or graduate student.

Information about independent study may be obtained in BPS 1121. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA.

Contact department for information to register for this course.

PSYC479 **Special Research Problems in Psychology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Course credit related to supervised research activity within the Department of Psychology, such as working as a Research Assistant (RA) for a faculty member or graduate student.

Information about research credit may be obtained in BPS 1121. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA.

Contact department for information to register for this course.

PSYC489A **Advanced Special Topics in Psychology; The Nature and Biological Bases of Emotion**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Treatment of a specialized topic in psychology.

Restricted to PSYC majors and NEUR majors. Multidisciplinary exploration of the current state of our scientific understanding of emotional states and traits, their biological roots, and their relevance to psychiatric disease, with a major focus on anxiety disorders, depression, and addiction. We will cover foundational knowledge in neuroscience and genetics, strengths and weaknesses of popular methods, classic and cutting-edge empirical work, and ongoing conceptual debates. We will discuss crucial discrepancies between the ways in which scientists, laypeople, and Hollywood conceptualize emotions. In addition to human neuroimaging and genomic-association studies, we will explore biological research that affords causal insights, including animal models, acute pharmacological challenges, neurofeedback, brain stimulation, and case studies of patients with circumscribed neural insults.

0101	Alexander Shackman	Seats (Total: 75)
	MW 5:30pm - 6:45pm	ATL 1113

PSYC489E **Advanced Special Topics in Psychology; Introduction to LGBTQIA+ Populations and Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Treatment of a specialized topic in psychology.

Prerequisite: PSYC300 Restricted to PSYC majors. An introduction to the study of lesbian, gay, bisexual, transgender, queer, intersex, and asexual (LGBTQIA+) populations. Using an intersectional approach, students will develop a multidisciplinary understanding of the historical, social, psychological, cultural, and structural determinants of mental and physical health of LGBTQIA+ populations as well as learn about interventions that promote their health and resilience.

0101	Ethan Mereish	Seats (Total: 40)
	MW 3:30pm - 4:45pm	BPS 1238

PSYC489I **Advanced Special Topics in Psychology; Psychology of Stress and Health in the Work Environment**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Treatment of a specialized topic in psychology.

Restricted to PSYC majors.

0101	Cassandra Phetmisy	Seats (Total: 40)
	TuTh 9:30am - 10:45am	BPS 1238

PSYC499H **Honors Thesis Research**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

In addition to the department and instructor, the director of the honors program may be contacted to obtain a section number. Prerequisite: permission of the thesis advisor. Permission may be obtained in BPS 1147. Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC601 **Quantitative Methods I**

(Perm req)

Credits: 4 Grading Method: Regular, Audit

Prerequisite: PSYC200; or students who have taken courses with comparable content may contact the department.

A basic course in quantitative/mathematical analysis and statistical methods in psychology with an emphasis on conceptual understanding. Topics include issues in measurement, probability theory, statistical inference and hypothesis testing, parameter estimation, bivariate regression, and correlation.

For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

0101	Weizhen Xie	Seats (Total: 22)	
	Tu 9:00am - 11:30am	BPS 1234	
	Th 9:00am - 9:50am	BPS 1234	
	Th 10:00am - 12:00pm	BPS 1234	Lab

PSYC603 **Introduction to Industrial and Organizational Psychology**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: PSYC603 or PSYC730. Formerly: PSYC730.

Advanced survey of industrial-organizational psychology, including selection, training, motivation, group processes, leadership, organizational psychology, and organizational theory. Readings stressed and seminar time will be used for lectures, discussion and integration of the reading materials.

PCI1	Nikita Arun	Seats (Total: 40)	
	Meets September 2, 2025 - November 21, 2025		
	M 5:00pm - 8:00pm	BPS 1140B	
	Class time/details on ELMs	ONLINE	Discussion
	Must be in the Industrial/Organizational Psychology (MPS). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.		

PSYC614 **Emotion: From Biological Foundations to Contemporary Debates in the Psychological Sciences**

Credits: 3 Grading Method: Regular, Audit

Multidisciplinary exploration of the current state of our scientific understanding of emotional states and traits, their biological roots, and their relevance to psychiatric disease. We will cover foundational knowledge in neuroscience and genetics, strengths and weaknesses of widely used methods, classic and cutting-edge empirical work, and ongoing conceptual debates. We will also discuss crucial discrepancies between the ways in which scientists and laypeople conceptualize emotions. In addition to human neuroimaging and genomic-association studies, we will explore biological research that affords causal insights, including animal models, acute pharmacological challenges, neurofeedback, and brain stimulation approaches, and case studies of patients with circumscribed neural insults.

0101	Alexander Shackman	Seats (Total: 20)	
	M 9:00am - 11:45am	BPS 1234	

PSYC622 **Research Methods in Clinical Psychology**

Credits: 3 Grading Method: Regular

Restriction: Permission of instructor. Credit only granted for: PSYC622 or PSYC718. Formerly: PSYC718.

Examines issues and strategies in conceptual systems, designs and methodologies of current research in clinical and community psychology. Readings include critical analyses of published research. Course requirements include preparation of a research proposal for a thesis level study.

PCC1	Christina Danko	Seats (Total: 40)
	Meets September 2, 2025 - November 21, 2025	
	Th 6:00pm - 9:10pm	BPS 1238
	Must be in Clinical Psychological Science (MPS). Golden ID students are not eligible for this section.	

PSYC623 **Child Development & Psychopathology**

(Perm req)

Credits: 3 Grading Method: Regular, Sat-Fail

Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)).

Examines the scientific and clinical literature relevant to developmental aspects of behavior across the lifespan and normal and pathological behavior in children and adolescents. Issues in developmental psychology and developmental psychopathology and consideration of processes initiated in childhood that manifest as pathology in adulthood are also considered.

0101	Nadia Bounoua	Seats (Total: 15)
	Tu 11:30am - 2:00pm	BPS 1103

PSYC629B **Clinical Laboratory; Assessment Practicum**

Credits: 1-3 Grading Method: Sat-Fail

Provides advanced supervised experience in the delivery and supervision of mental health interventions targeted to individuals. Supervised work with clients is required.

0101	Yevgeny Botanov	Seats (Total: 10)
	Contact instructor or department for details.	
0102	Mary Byrne	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC629C **Clinical Laboratory; Adult Therapy Practicum**

Credits: 1-3 Grading Method: Sat-Fail

Provides advanced supervised experience in the delivery and supervision of mental health interventions targeted to individuals. Supervised work with clients is required.

0101	Lea Dougherty	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC629D **Clinical Laboratory; Child and Adolescent Therapy Practicum**

Credits: 1-3 Grading Method: Sat-Fail

Provides advanced supervised experience in the delivery and supervision of mental health interventions targeted to individuals. Supervised work with clients is required.

0101	Mary Byrne	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC638 **Externship in Professional Psychology**

Credits: 1-3 Grading Method: Sat-Fail

Approved appointment as an extern in a mental health setting.

For PSYC majors only.

0101	Lea Dougherty	Seats (Total: 20)
	Contact instructor or department for details.	
0201	Derek Iwamoto	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC639 **Internship in Professional Psychology**

Credits: 1 Grading Method: Sat-Fail

This seminar combines involvement with a program approved appointment as an intern in a mental setting with a supervisory review of the training experience.

For PSYC majors only.

0101	Lea Dougherty	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

PSYC643 **Ethics and Foundations of Assessment and Clinical Intervention**

Credits: 3 Grading Method: Regular

Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)).

An overview of the ethical and professional issues involved in psychological research, instruction, and practice, with special attention to advocacy and ethical decision making regarding a variety of primary, secondary, and tertiary clinical/community interventions.

PCC1	Rachel Singer	Seats (Total: 35)
	Meets September 2, 2025 - November 21, 2025	
	Th 6:00pm - 9:10pm	BPS 1140B
	Must be in Clinical Psychological Science (MPS). Golden ID students are not eligible for this section.	

PSYC644 **Basic Foundation of Clinical Interventions**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)).

General introduction to behavior theory and the basic behavioral principles that underlie behavior therapy. Provides an introduction to the philosophical, theoretical and empirical contributions of basic behavior analysis as they relate to behavior therapy, including examples of how behavior therapy is disconnected from its roots.

PCC1	Susanna Crowell McQuarrie	Seats (Total: 40)
	Meets September 2, 2025 - November 21, 2025	
	Tu 6:00pm - 9:30pm	ATL 1114
	Must be in Clinical Psychological Science (MPS). Golden ID students are not eligible for this section.	

PSYC651 **Writing and Critical Thinking**

Credits: 3 Grading Method: Regular

Restriction: Must be enrolled in and have successfully completed all courses in the first 4 terms of the Clinical Psychological Science MPS program.

A capstone experience to integrate knowledge learned throughout the program and improve critical thinking and research writing skills. This will be done through the production of a major research paper in an area relevant to the current or future career goals of the student and by emphasizing critical thinking skills.

PCC1	Christina Danko	Seats (Total: 20)
	Meets September 2, 2025 - November 21, 2025	
	Tu 6:00pm - 9:10pm	BPS 1140B
	Must be in Clinical Psychological Science (MPS). Golden ID students are not eligible for this section.	

PCC2	Jack Blanchard	Seats (Total: 20)
	Meets September 2, 2025 - November 21, 2025	
	Tu 6:00pm - 9:10pm	BPS 1140B
	Must be in Clinical Psychological Science (MPS). Golden ID students are not eligible for this section.	

PSYC653 **The Business of Evaluation: Research Methods at Work**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PSYC652. Additional information: Course builds from work completed in PSYC 652. Students are also expected to commit to a two-term long project. Students will work with a non-profit organization or local business to ask and answer a business question for the organization. Students will conclude this project in PSYC 654.

Students will learn about the strengths and weaknesses of commonly employed research methods in business settings, including: longitudinal research, survey and interview (including focus groups) design, and sampling and weighting. Students will design and launch a research study that will answer a pressing business question.

PCI1	Andrew Naber	Seats (Total: 40)
	Meets September 2, 2025 - November 21, 2025	
	M 5:00pm - 8:00pm Class time/details on ELMs	BPS 1140B ONLINE
	Must be in the Industrial/Organizational Psychology (MPS). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

PSYC654 **Advanced Analytical Thinking: Statistical Methods at Work II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PSYC652 and PSYC653. Restriction: Must be in the Master of Professional Studies in Industrial/Organizational Psychology Program.

Students will delve deeply into issues of interpreting and questioning analytic results. Students will learn how to creatively present empirical results in ways that grab the attention of, and are clear to, a variety of stakeholders. Students will present group projects in two presentations, one to the rest of the class (technical audience) and one to an expert panel of practitioners. Finally, this course will introduce students conceptually to a number of advanced statistical methods, such as meta-analysis and structural equation modeling.

PWI1	Joselito Lualhati	Seats (Total: 40)	
	Meets September 2, 2025 - November 21, 2025		
	M 5:00pm - 8:00pm Class time/details on ELMs	ONLINE ONLINE	Discussion
	Must be in the Industrial/Organizational Psychology, Online (MPS). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.		

PSYC660 **Performance Management, Compensation, and Benefits**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the Master of Professional Studies in Industrial/Organizational Psychology Program.

This course draws together content on organizational behavior, selection, assessment, development, employee relations, and compensation, among other topics. Students in this course will learn about how to align organizational reward systems, including selection, development, performance appraisal, feedback, and compensation systems. This course will pull from current organizational research and theory on issues ranging from work motivation, employee retention, and feedback processes to issues of organizational strategy and culture.

PCI1	Kenneth Yusko	Seats (Total: 36)	
	Meets September 2, 2025 - November 21, 2025		
	M 5:00pm - 8:00pm Class time/details on ELMs	BPS 1238 ONLINE	
	Must be in the Industrial/Organizational Psychology (MPS). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.		

PSYC661 **Practicum in IO Psychology**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PSYC603, PSYC652, PSYC653, and PSYC654. Restriction: Must be in the Master of Professional Studies in Industrial/Organizational Psychology Program.

In this practicum, students will work on IO-related tasks in an organization and will have the opportunity to apply what they have learned in class to real-world problems. Students will write a reflection paper reviewing what skills they have applied - and developed - while completing this practicum.

PCI1	David Shar	Seats (Total: 36)	
	Meets September 2, 2025 - November 21, 2025		
	M 5:00pm - 8:00pm	BPS 1238	
	Class time/details on ELMs	ONLINE	
	Must be in the Industrial/Organizational Psychology (MPS). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.		

PSYC692 **Assessment in Counseling Psychology I**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: PSYC680. Credit only granted for: PSYC692 or PSYC721. Formerly: PSYC721.

Broad introduction to the construction of psychological tests and measures, and experience in test interpretation, with consideration of historical, legal, ethical, and cultural issues surrounding the assessment process.

Restricted to PSYC and COSP majors

0101	Jonathan Mohr	Seats (Total: 10)	
	M 1:00pm - 3:50pm	BPS 1232	

PSYC700 **Theories and Strategies of Counseling Psychology**

Credits: 3 Grading Method: Regular, Sat-Fail

Prerequisite: For Counseling Psychology majors only. Cross-listed with: EDCP700. Formerly: EDCP789J.

Introduction to the professional field, examination of pertinent scientific and philosophical backgrounds, and survey of the major theories, principles, and training models in counseling. Correlated laboratory analogue experiences in dydactic and group interrelationships.

0101	Terrill Taylor	Seats (Total: 20)	
	Tu 11:30am - 2:15pm	BPS 2145	
	Tu 2:30pm - 5:15pm	BPS 2145	Lab

PSYC707 **Theory of Decision and Choice**

(Perm req)

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: PSYC602. Restriction: Permission of instructor.

A study of algebraic and probabilistic models for decision and choice behavior, and related experimental procedures. Topics include: measurement of preference, subjective utility models for certain and uncertain outcomes, normative strategies, decision making styles, and group decision making.

0101	James Grand	Seats (Total: 20)
	M 1:00pm - 3:30pm	BPS 1234

PSYC732 Selection and Classification Issues in Organizations

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PSYC603; and (PSYC602; or students who have taken courses with comparable content may contact the department). Or permission of instructor.

Consideration of societal, organizational and individual demands for appropriate use of individual differences in (primarily) initial placement of employees. Recruitment, and selection issues, the role of governmental regulations, and the role of individual factors in individual behavior are considered. Extensive coverage given to fundamental psycho-metric problems and the development of individual and organizational criteria of effectiveness.

PWI1	Kenneth Yusko	Seats (Total: 40)	
	Meets September 2, 2025 - November 21, 2025		
	M 5:00pm - 8:00pm	ONLINE	
	Class time/details on ELMs	ONLINE	Discussion

Must be in the Industrial/Organizational Psychology, Online (MPS). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.

PSYC738L Seminar in Industrial/Organizational Psychology; Leadership, Followership, and Contexts

Credits: 3 Grading Method: Regular, Audit

An occasional advanced seminar covering specialized topics.

This course covers the history and currently dominant theories in the field of leadership. We will discuss the social influences, cognitive processes, and organizational contingencies that leaders use to influence others. Both the positive (e.g., transformational, authentic) and negative (e.g., abusive, toxic) aspects of leadership will be discussed as will issues of measurement.

0101	Paul Hanges	Seats (Total: 20)
	W 3:00pm - 5:30pm	BPS 1228

PSYC798P Graduate Seminar; Stereotyping and Prejudice

Credits: 3 Grading Method: Regular, Audit

Reviews the topics of stereotyping, prejudice, and discrimination from both perpetrators and targets perspectives. Topics will cover the psychological, social, and cultural processes that contribute to intergroup bias, responses to and consequences of intergroup bias, and how to intervene to reduce intergroup bias and its impact at the individual and structural level.

0101	Linda Zou	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	BPS 1232

PSYC798R Graduate Seminar; Development of the Social Brain

Credits: 3 Grading Method: Regular, Audit

This course will discuss the development and neural correlates of social interaction. Topics will include social cognition, social motivation, social learning, and common ground with an emphasis on individual differences and neurodiversity.

Contact department for information to register for this course.

PSYC798Z Graduate Seminar; Fundamentals of Social Psychology

Credits: 2 Grading Method: Regular, Audit

Social psychology is the study of how people think, feel, and behave in the real or imagined presence of other people, and what reciprocal impact it has on others. It is a discipline at the interface of individual and society, with the potential to illuminate major social problems, violence, inequality, injustice, progress from the standpoint of the psychology of the individual. This graduate level Core Course in Social Psychology offers a view on several of social psychology s major domains of study. The aim of the course is to acquaint the participants with currently dominant conceptual paradigms, major topics of study and empirical methods aimed at testing social psychological hypotheses within those paradigms. Participants in the course will read a review and an empirical paper pertinent to the topic at hand, to be discussed in class.

0101	A Kruglanski	Seats (Total: 15)
	Meets October 20, 2025 - December 12, 2025	
	TuTh 3:00pm - 5:00pm	EGR 1104

PSYC799 Master's Thesis Research; MASTERS THESIS RSRCH

Credits: 1-6 Grading Method: Sat-Fail

For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PSYC888A Research Methods in Psychology; Developmental Seminar

Credits: 1-3 Grading Method: Regular, Audit

0101	Fanita Tyrell	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC898 Pre-Candidacy Research

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

PSYC899 Doctoral Dissertation Research; Doctoral Dissertation Research

(Perm req)

Credits: 6 Grading Method: Sat-Fail

For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

RDEV Real Estate Development Fall 2025

RDEV250 People, Planet, and Profit: Building Sustainable Places

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Cross-listed with: ARCH271. Credit only granted for: ARCH271 or RDEV250.

An introduction to the four disciplines represented in the School: architecture and urban design, community planning, historic preservation, and real estate development, that work to create a more sustainable environment for the future to create a more sustainable environment for the future using our interpretation of the quadruple bottom line: socio-cultural, economic, environmental, and design sustainability. Students will be provided with an understanding of the fundamental scholarship and processes of each of these disciplines and examine the intersections between them. Additionally, they will learn by applying the approaches of the four disciplines through a series of field studies.

0101	Wayne Curtis	Seats (Total: 150)
	TuTh 3:30pm - 4:45pm	ARC 0204

RDEV270 Tax and Accounting for Real Estate Development

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in the Real Estate and the Built Environment Major or the Real Estate Development minor; and must have permission of ARCH-Real Estate Development; and must not be in a major in the Robert H. Smith School of Business; and must not have completed BMGT210, BMGT220, or BMGT221.

An understanding of key tax and accounting principles and how they impact real estate development for students in the minor in real estate development is the purpose of this course. This course is geared for science, arts and humanities students who otherwise in their major would not take an accounting course as part of their major.

0101	John Park Tu 7:00pm - 9:40pm	Seats (Total: 33) TWS 1310

RDEV350 **Real Estate Development: Introduction to Principles, Process, and Practice**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: RDEV250 or ARCH271. Restriction: Must be in the Real Estate and the Built Environment major or the Real Estate Development minor; and permission of ARCH-School of Architecture, Planning, & Preservation.

An introduction to the basic principles of real estate development: How real estate and communities get built and how value is created. The emphasis is on entrepreneurship and an experiential learning approach to the entrepreneurial real estate development process, principles, and practice.

0101	Maria Day-Marshall W 11:00am - 1:40pm	Seats (Total: 40) ARC 1101
0102	Jesse Saginor M 7:00pm - 9:40pm	Seats (Total: 30) ASY 3211

RDEV440 **Principles of Urban Design for Real Estate Professionals**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: RDEV250 and RDEV350. Restriction: Must be in Real Estate and Built Environment Major; and permission of ARCH-Real Estate Development.

Introduces students to the design issues associated with development of the basic real property asset classes (office, retail, and residential) and the context driven forces that shape these different development types. Also introduces non-design students to the principles of visual literacy and the capacity of different property to support development in the effort to enhance a community.

0101	Robert McClennan Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1101

RDEV450 **Foundations of Real Estate Finance and Investment**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have completed RDEV270 or an approved accounting course with a grade of C- or better; and minimum grade of C- in RDEV350. Restriction: Must be enrolled in RDEV Minor; and permission of ARCH-School of Architecture, Planning, & Preservation.

Real Estate Finance and Investment addresses how real estate value is established, the fundamental foundations of the time value of money, as well as more real estate specific applications of return on investment, net operating income, the components of a real estate sources and uses statement, sources of real estate equity and debt financing, commonly used debt ratios and equity returns in real estate, as well as concepts of sensitivity analysis and exit strategies.

Must have minimum 60 credits.

0101	Kathryn Corby W 7:00pm - 9:40pm	Seats (Total: 23) ARC 1101
0102	Thomas Dwyer W 7:00pm - 9:40pm	Seats (Total: 25) ARC 1103
0103	John Park MW 2:00pm - 3:15pm	Seats (Total: 24) TYD 0111

RDEV473 **Real Estate Case Study Competition**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: RDEV250, RDEV350, and RDEV450. Restriction: Must be in the Real Estate and the Built Environment major; and permission of ARCH-Real Estate Development.

The Colvin Institute of Real Estate Development hosts a case study competition. The Colvin Case Study Challenge is a national intercollegiate real estate case study competition for full or part-time students enrolled in a college or a university real estate program (undergraduate or graduate or a university sanctioned real estate club/organization). The Challenge is to document a recent innovative real estate project within the team's metropolitan region. Unlike many other case competitions, this is a post-development report and documentation of a recently completed project (or project phase). The Challenge is designed to hone professional skills and reveal the knowledge base and understanding of markets, project valuation, finance, urban design and sustainability, entitlement processes and operational issues. This course prepares students to participate in the competition.

This culmination course is an intensive competition course. Students will be assigned to three-person teams to work on a single site for the entire semester.

0101	Jesse Saginor W 4:00pm - 6:40pm	Seats (Total: 12) ASY 1213

RDEV600 **Principles and Practice of Real Property Development**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of ARCH-Real Estate Development. Credit only granted for: RDEV688T or RDEV600. Formerly: RDEV688T.

An introduction to basic principles of real estate development: How real estate and communities get built and how value is created. The emphasis is on entrepreneurship and an experiential learning approach to the entrepreneurial real estate development process, principles, and practice.

0101	Jesse Saginor	Seats (Total: 15)
	M 7:00pm - 9:40pm	ASY 3211

RDEV603 **Introduction to Real Property Finance**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of the Department. Credit only granted for: RDEV688Z, RDEV689V, or RDEV603. Formerly: RDEV688Z and RDEV689V.

Introduction to Real Property Finance addresses how real estate value is established, the fundamental foundations of the time value of money, as well as more real estate specific applications of return on investment, net operating income, the components of a real estate sources and uses statement, sources of real estate equity and debt financing, commonly used debt ratios and equity returns in real estate, as well as concepts of sensitivity analysis and exit strategies.

0101	Thomas Dwyer	Seats (Total: 10)
	W 7:00pm - 9:40pm	ARC 1103

RDEV605 **Tax and Accounting for Real Property Developers**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of ARCH-Real Estate Development. Credit only granted for: RDEV688K or RDEV605. Formerly: RDEV688K.

This course is designed to familiarize students with taxation and accounting as it pertains to real estate development.

0101	John Park	Seats (Total: 18)
	Tu 7:00pm - 9:40pm	TWS 1310

RDEV620 **Market Analysis for Real Property Development**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of ARCH-Real Estate Development. Credit only granted for: RDEV689M or RDEV620. Formerly: RDEV689M.

Designed to introduce and familiarize students with completing market analysis for real property projects. Includes a broad range of land uses including for-rent and for-sale residential, retail, office, and hospitality. Covers all aspects of completing a market analysis from the site visit to recommendations, and all the steps in-between. Examines how various real estate practitioners, such as developers, builders, investors, landowners, and public officials, utilize market studies.

0101	Abigail Ferretti	Seats (Total: 30)
	M 7:00pm - 9:40pm	ARC 1105

RDEV635 **Capital Markets and Real Estate Investments for Developers**

(Perm req)

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: RDEV630, URSP664, or RDEV688. Restriction: Must be in Real Estate Development (Master's) program; or permission of ARCH-Real Estate Development. Credit only granted for: RDEV635 or RDEV688F. Formerly: RDEV688F.

An advanced course in real estate finance focusing on capital markets and complex financing mechanism in the public and private markets for raising capital for development of public, private and public/private projects.

0101	Kathleen Miles	Seats (Total: 15)
	Th 7:00pm - 9:40pm	ARC 1127

RDEV640 **Principles of Urban Design for Real Property Developers**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of ARCH-Real Estate Development. Credit only granted for: RDEV688J or RDEV640. Formerly: RDEV688J.

Introduces students to the design issues associated with development of the basic real property asset classes (office, retail, and residential) and the context driven forces that shape these different development types. Also introduces non-design students to the principles of visual literacy and the capacity of different property to support development in the effort to enhance a community.

0101	Robert McClennan	Seats (Total: 15)
	Tu 7:00pm - 9:40pm	ARC 1101

RDEV660 **Commercial Leasing for Real Property Developers**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of ARCH-Real Estate Development. Credit only granted for: RDEV688L or RDEV660. Formerly: RDEV688L.

Provides students with a hands-on look at commercial and real estate leases, lease provisions, and current market activity, a key factor in determining when and whether to proceed with developing a commercial property.

0101	Andrew Rose, Suzanne White	Seats (Total: 20)
	W 7:00pm - 9:40pm	ARC 1125

RDEV688C **Selected Topics in Real Estate Development; Real Estate Case Study Competition**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Selected topics in real estate development.

0101	Jesse Saginor W 4:00pm - 6:40pm	Seats (Total: 12) ASY 1213

RDEV689Y **Current Topics in Real Estate Development; Guided Real Estate Development Project**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Explores a focused aspect in any of the five major phases of real estate development: planning, finance, law, design, construction, or management.

Prerequisite: Permission of the department.

0101	Maria Day-Marshall, Georgeanne Matthews Contact instructor or department for details.	Seats (Total: 4)

RDEV690 **Capstone Project: Real Property Feasibility Study**

(Perm req)

Credits: 3

Grading Method: Regular

Prerequisite: Completion of at least 7 RDEV courses. Restriction: Permission of ARCH-Real Estate Development. Credit only granted for: RDEV688I or RDEV690. Formerly: RDEV688I.

The capstone course is designed to provide students with an opportunity to apply acquired classroom knowledge to real world conditions. Each student in the class will work separately to create a development proposal and feasibility study for an assigned property. For students doing a feasibility study of a development the study will address at least market analysis, entitlement process, construction, and financing for the project.

0101	Tanya Bansal Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1127

RELS Religious Studies Fall 2025

RELS120 **Islamic Civilization**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

CORE: SH, D

General Education: DSHU

Cross-listed with: HIST120. Credit only granted for: HIST120 or RELS120.

Introduction to society and culture in the Middle East since the advent of Islam: as a personal and communal faith; as artistic and literary highlights of intellectual and cultural life; and as the interplay between politics and religion under the major Islamic regimes.

0101	Antoine Borrut MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 23) CCC 1205 TLF 2103	Discussion
0102	Antoine Borrut MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 23) CCC 1205 TLF 2103	Discussion
0103	Antoine Borrut MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 23) CCC 1205 TLF 2103	Discussion

RELS170 **Ancient Myths and Modern Lives**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU, SCIS

Cross-listed with: CLAS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit.

What are myths and why do we tell them? What powers do myths have? We will tackle these questions by looking at the enduring and fascinating myths from ancient Greece and Rome. In addition to studying how they shaped ancient societies, we will also look at their modern influence and reflect upon the power that myths still hold in our contemporary world. Taught in English.

0101	Chiara Graf MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 21) SPH 1312 KEY 0116	Discussion
0102	Chiara Graf MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 21) SPH 1312 HBK 0125	Discussion
0103	Chiara Graf MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 21) SPH 1312 CHM 1224	Discussion
0104	Chiara Graf MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 21) SPH 1312 ATL 1434	Discussion
0105	Chiara Graf MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 21) SPH 1312 SPH 0305	Discussion

0106	Chiara Graf MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 21) SPH 1312 KEY 0116	Discussion
0107	Chiara Graf MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 21) SPH 1312 KEY 0126	Discussion
0108	Chiara Graf MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 21) SPH 1312 CHM 1228	Discussion
0109	Chiara Graf MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 22) SPH 1312 JMZ 3203	Discussion

RELS225 **Religions of the Ancient Near East**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Cross-listed with: HIST219I, JWST225. Credit only granted for: JWST225, HIST219I, RELS225, or RELS219A. Formerly: RELS219A.

Introduction to ancient Near Eastern religious systems and mythology, from the third millennium BCE through the fourth century BCE. Particular emphasis on Mesopotamia and ancient Israel.

0101	Matthew Suriano MW 3:30pm - 4:45pm	Seats (Total: 25) SQH 1121

RELS230 **Inventing Traditions: The Making of Rabbinic Judaism**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DSHU, SCIS

Cross-listed with: HIST281, JWST230. Credit only granted for: HIST281, JWST230, RELS219C or RELS230. Formerly: RELS219C.

Introduces the dramatic literary and cultural (as well as political and demographic) innovations that reshaped Judaism in late antiquity. Examines the fundamental works and genres of rabbinic literature and the religious movement that produced them. Special emphasis on the rabbinic uses of "tradition" to enhance authority and legitimacy, and to foster group identity.

0101	Hayim Lapin MW 2:00pm - 3:15pm	Seats (Total: 30) KEY 0100

RELS269 **Special Topics in Study Abroad II**

Credits: 1-6

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

RELS269G **Special Topics in Study Abroad II; From Asoka to Gandhi: Buddhism and Hinduism in Contemporary Society**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

RELS274 **Jerusalem in Antiquity: The History of Sacred Space in a Holy City**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHU, DVUP, SCIS

Cross-listed with: JWST274. Credit only granted for: JWST274, RELS274, JWST289J or RELS289J. Formerly: JWST289J, RELS289J.

Examines the complex history of Jerusalem's status as a holy city, with a focus on constructions of sacred space in Judaism, Christianity, and Islam.

0101	Matthew Suriano MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) BPS 1243 ARC 1103	Discussion
0102	Matthew Suriano MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) BPS 1243 ARC 1103	Discussion
0103	Matthew Suriano MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) BPS 1243 ARC 1103	Discussion
0104	Matthew Suriano MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 20) BPS 1243 HBK 0125	Discussion

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RELS289C **Jews, Christians, and Muslims in Medieval Spain: Tolerance, Oppression, and the Problematic Past**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHS, DVUP, SCIS

Cross-listed with: HIST289A. Credit only granted for: HIST289A or RELS289C.

For 800 years, medieval Spain was home to one of the most religiously diverse societies in European history. Despite frequent hostilities, the interactions of Spanish Jews, Christians, and Muslims produced a flowering of science, theology, and literature in an often remarkably tolerant climate. Students will learn how medieval Spanish people themselves experienced interreligious contact and conflict. They will also discover the modern pressures, prejudices, and ideals that have shaped historians interpretations of medieval Spain.

0101	Janna Bianchini	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 0116

RELS369C **Special Topics in Study Abroad III; Between Tolerance and Conflict: Jewish, Christians and Muslims in the Iberian Peninsula**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

RELS369R **Special Topics in Study Abroad III; Christianity and the Roman Empire (100-425CE)**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

RELS429B **Advanced Topics in Religious History; Sex, Gender, and Sexuality in the Islamic World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of religious history in a particular setting, with attention to particular themes, texts, events, or communities.

Cross-listed with PERS498M, PERS689M, CMLT679D, HIST419C, RELS429B, WGSS498D and WGSS698D. Credit only granted for PERS498M, PERS689M, CMLT679D, HIST419C, RELS429B, WGSS498D or WGSS698D.

0101	Matthew Miller	Seats (Total: 15)
	Th 12:30pm - 3:15pm	JMZ 3106A

RELS430 **Dead Sea Scrolls**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, DSSP

Prerequisite: Must have completed one JWST course or one RELS course; or permission of ARHU-Meyerhoff Program & Center for Jewish Studies. Cross-listed with JWST430. Credit only granted for: JWST430 or RELS430.

A study of the Dead Sea Scrolls in their ancient and modern settings, and in terms of contemporary scholarly interpretations of their meaning. Interpretations of the historical significance of these documents, their connections to ancient Jewish sectarian movements, and their implications for our understanding of Judaism, Christianity, and the history of the Bible.

0101	Maxine Grossman	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	EGR 3106

RELS499 **Independent Study in Religious Studies**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

An advanced independent research project for qualified students, supervised by a faculty member, on a topic not ordinarily covered in available courses.

Contact department for information to register for this course.

RUSS Russian Fall 2025

RUSS101 **Intensive Elementary Russian I**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate World Language Placement (WLP) score.

This intensive first-year course is intended to develop the four skills: reading, writing, listening and speaking with an emphasis on communicative competence.

This course has been put on a timed release system. Seats will be opened gradually by the registrar's office, to a total of 15 seats per section. If the course is full, please put yourself on the waitlist and contact Dr. Elizabeth Papazian (papazian@umd.edu) for permission to enroll.

0101	Inna Hardman	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMZ 3122
	TuTh 9:30am - 10:45am	JMZ 3122
0201	Inna Hardman	Seats (Total: 15)
	MWF 11:00am - 11:50am	JMZ 3122
	TuTh 11:00am - 12:15pm	JMZ 3122

RUSS201 **Intermediate Russian I**

Credits: 5 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: RUSS102; or must have appropriate World Language Placement (WLP) score; or students who have taken courses with comparable content may contact the department.

Continued activation and expansion of skills and knowledge acquired in an elementary Russian course with the goal of communicative competence.

If the course is full, please put yourself on the waitlist and contact Dr. Elizabeth Papazian (papazian@umd.edu) for permission to enroll.

0101	Zhanna Gerus-Vernola	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMZ 1104
	TuTh 10:00am - 10:50am	JMZ 1104

RUSS301 **Advanced Russian I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: RUSS202; or students who have taken courses with comparable content may contact the department.

Advanced training in written Russian communicative structures.

0101	Michael Lavery	Seats (Total: 15)
	MWF 10:00am - 10:50am	SQH 1125

RUSS303 **Russian Conversation: Functional Skills**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: RUSS202; or students who have taken courses with comparable content may contact the department.

Intended for students who do not anticipate having the opportunity to study in Russia. Skills for daily life (both function and etiquette) and argumentation (rhetoric).

Students may also enroll with permission of instructor.

0101	Inna Hardman	Seats (Total: 15)
	TuTh 2:00pm - 2:50pm	TLF 0103
	F 1:00pm - 1:50pm	JMZ 1104

RUSS386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher; and permission of ARHU-School of Languages, Literatures, and Cultures department.

Contact the department to obtain section numbers.

Contact department for information to register for this course.

RUSS398P **Selected Topics in Russian Language and Literature; Russian Culture under Putin: Power, Protest, and War**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An examination of post-Soviet Russian society, politics, and culture th rough a wide range of media (in English translation), tracing Putin's consolidation of power and the emergence of dissident protest movements. Taught in English.

0101	Michael Lavery MW 2:00pm - 3:15pm	Seats (Total: 25) JMZ 2123

RUSS401 **Advanced Russian Composition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: RUSS302; or students who have taken courses with comparable content may contact the department.

Approaches to argumentation, organization of information, contextualized grammar, appropriateness of lexical choice, genre, and register.

0101	Izolda Savenkova TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1215

RUSS439T **Selected Topics in Russian Literature; Russian Literature of the 19th Century in Russian: Tolstoy's Anna Karenina**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Presentation of a topic in Russian literature.

Prerequisite: Completion of Russian 301 or equivalent, by permission. Reading and close analysis of Tolstoy's novel. Taught in Russian.

0101	Elizabeth Papazian MW 3:30pm - 4:45pm	Seats (Total: 15) JMZ 1224

RUSS499 **Independent Study in Russian**

(Perm req)

Credits: 1-3 Grading Method: Regular

Independent study under faculty supervision.

Contact department for information to register for this course.

RUSS798 **Independent Study**

Credits: 1-3 Grading Method: Regular, Audit, Sat-Fail

3190	Michael Lavery Contact instructor or department for details.	Seats (Total: 5)

SLAA Second Language Acquisition and Application Fall 2025

SLAA610 Research and Theories in Second Language Acquisition

Credits: 3 Grading Method: Regular, Audit

Introduction to current theories and research findings Second Language Acquisition (SLA).

0101	Jonathan Malone	Seats (Total: 15)
	M 2:00pm - 4:30pm	JMZ 3122

SLAA620 Second Language Research Methodologies

Credits: 3 Grading Method: Regular, Audit

Prerequisite: SLAA610; and must have completed or be concurrently enrolled in SLAA611.

An exploration of research methodology in second language acquisition (SLA), with a focus on developing practical skills in data analysis and interpretation. Preparation in both critical evaluation of existing research and design of new research models.

0101	Bronson Hui	Seats (Total: 15)
	F 5:00pm - 7:30pm	JMZ 3122

SLAA630 Second Language Testing

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: SLAA610; or permission of ARHU-School of Languages, Literatures, and Cultures department.

An introduction to basic concepts in the assessment of second language knowledge. Issues of reliability, dependability, construct validity, utility, and washback on instruction are examined.

0101	Martyn Clark	Seats (Total: 15)
	Tu 5:00pm - 7:30pm	JMZ 3122

SLAA649R Special Topics in Second Language Acquisition; Research Critique

Credits: 3 Grading Method: Regular, Audit

Current topics in research in second language acquisition.

0101	Ekaterina Sudina	Seats (Total: 15)
	Th 5:00pm - 7:30pm	JMZ 3122

SLAA719 Second Language Acquisition and Application Internship

Credits: 3 Grading Method: Regular, Audit

Internship at a site to be determined. Topics may include heritage language learning, immersion education, testing and assessment, translation and interpretation, and national language planning and policy.

Contact department for information to register for this course.

SLAA750 Instructed Second Language Acquisition

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: SLAA610.

Survey of studies on effectiveness of SLA instruction within various domains of language, with focus on research design.

0101	Bronson Hui	Seats (Total: 15)
	F 2:00pm - 4:30pm	JMZ 3122

SLAA760 Fundamentals of Second Language Assessment

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: SLAA610.

An overview of current assessment models in foreign and second language learning.

0101	Ekaterina Sudina	Seats (Total: 15)
	Th 2:00pm - 4:30pm	JMZ 3122

SLAA779 Directed Research in Second Language Acquisition and Application

Credits: 1-3 Grading Method: Regular, Audit

Directed independent research in Second Language Acquisition or Application. In this capstone project, students engage in independent research under faculty direction.

Contact department for information to register for this course.

SLAA798 Master's Independent Study

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

SLAA799 Master's Thesis Research

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

SLAA888 Doctoral Independent Study

Credits: 1-3 Grading Method: Regular, Audit

Individual instruction course.

Contact department for information to register for this course.

SLAA898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

SLAA899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

SLLC School of Languages, Literatures and Cultures Fall 2025

SLLC108J **Beg Less Commonly Taught Language I; Elementary Polish I**

(Perm req)

Credits: 4 Grading Method: Regular, Pass-Fail

Study of any of the less commonly taught languages at the elementary level. Speaking, listening, reading, and writing a less commonly taught language. Development of an emphasis on oral proficiency skills.

This is a Big Ten Academic Alliance CourseShare course. The instructor is at Indiana University, but you enroll and receive credit for it at Maryland.

0101	Instructor: TBA	Seats (Total: 5)
	Meets August 25, 2025 - December 19, 2025	
	MTuWTh 9:10am - 10:00am	ONLINE

SLLC169B **Special Topics in Study Abroad I; Elementary Basque I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SLLC169C **Special Topics in Study Abroad I; Elementary Basque II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SLLC169D **Special Topics in Study Abroad I; Great Czech Writers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SLLC169L **Special Topics in Study Abroad I; Basque Language and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SLLC200 **Global Movements**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

This interdisciplinary and cross-cultural course introduces students to a variety of frameworks for understanding our interconnected world by focusing on one or more issues of global relevance today, including but not limited to conflict, revolution, and war; democracy, citizenship, and human rights; migration; and climate change. Focusing on the interpretive methods of the humanities, including critical analysis, close readings, and engagement with theoretical approaches, we will discuss the historical, social, and cultural contexts of major global movements in comparative perspective. In addition to examining literary, cultural, and media texts, the class will ask students to make connections between global and local contexts through a group service-learning project.

0101	Ryan Long, Hester Baer	Seats (Total: 30)
	MWF 9:00am - 9:50am	JMZ 2206

SLLC269B **Special Topics in Study Abroad II; Scandinavian Moods in Cinema**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SLLC269D **Special Topics in Study Abroad II; Catalan Language and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SLLC269X **Special Topics in Study Abroad II; Intermediate Basque I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SLLC269Y **Special Topics in Study Abroad II; Intermediate Basque II**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SLLC281 **Language, Power, and Society: India and South Asia**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Introduces the history and culture of India and South Asia--including present-day India, Pakistan, Nepal, Bangladesh, and Sri Lanka--from the area's earliest inhabitants to yesterday. Students learn about the peoples and cultures of South Asia through investigations of prehistoric and historic origins, caste, religion, family life, colonialism and independence, communal violence, popular culture, and the South Asian diaspora. The course content is interdisciplinary, involving both the humanities and social sciences. Attention is given to both unity and diversity across the South Asian subcontinent.

0101	Sean Pue	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

SLLC286 **Living the Good Life: Chinese Philosophy in the Modern World**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, SCIS

Additional information: Taught in English.

Confucius, Mencius, Zhuangzi and other Chinese thinkers who lived more than 2,000 years ago would argue that the contemporary Western emphasis on self-discovery (Find yourself) and self-acceptance has led you astray. See what they have to say and discuss what relevance it has for the modern world as we study how early Chinese thinkers wrestled with questions of existence, morality, and governance. No previous knowledge of Chinese philosophy and history will be assumed and no prerequisites are required. We will discuss ideas that are both historical and relevant to students' lives. What is "the Way"? How do we cultivate spontaneity? Is there a stable self? How can we be more alive? These are questions important for ancient kings but also for UMD students choosing a major, or wondering how ARHU can benefit them.

0101	Andrew Schonebaum	Seats (Total: 60)
	TuTh 2:00pm - 3:15pm	SYM 0200

SLLC299R **Special Topics in World Cultures; Elementary Italian I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit

Topic to be announced when course is offered.

Uses the theoretical category of intersectionality to engage histories of race and caste in a comparative perspective, working primarily on South Asian and US-based materials.

Contact department for information to register for this course.

SLLC299Z **Special Topics in World Cultures; Spanish Civilization and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topic to be announced when course is offered.

Contact department for information to register for this course.

SLLC309 **Language Partner Program**

(Perm req)

Credits: 1 Grading Method: Regular

For intermediate- to advanced-level language study. Conversations entirely in target language with native speaker.

Students must be able to meet on September 08, 2025.

0101	Ahmed Hanafy M 4:00pm - 5:50pm Contact instructor or department for details. *Arabic.*	Seats (Total: 10) STM 0105
0102	Ahmed Hanafy M 4:00pm - 5:50pm Contact instructor or department for details. *Chinese.*	Seats (Total: 10) STM 0105
0103	Ahmed Hanafy M 4:00pm - 5:50pm Contact instructor or department for details. *French.*	Seats (Total: 10) STM 0105
0104	Ahmed Hanafy M 4:00pm - 5:50pm Contact instructor or department for details. *German.*	Seats (Total: 10) STM 0105
0105	Ahmed Hanafy M 4:00pm - 5:50pm Contact instructor or department for details. *Italian.*	Seats (Total: 10) STM 0105

0106	Ahmed Hanafy M 4:00pm - 5:50pm Contact instructor or department for details. *Japanese.*	Seats (Total: 10) STM 0105
0107	Ahmed Hanafy M 4:00pm - 5:50pm Contact instructor or department for details. *Korean.*	Seats (Total: 10) STM 0105
0108	Ahmed Hanafy M 4:00pm - 5:50pm Contact instructor or department for details. *Portuguese.*	Seats (Total: 10) STM 0105
0109	Ahmed Hanafy M 4:00pm - 5:50pm Contact instructor or department for details. *Russian.*	Seats (Total: 10) STM 0105
0110	Ahmed Hanafy M 4:00pm - 5:50pm Contact instructor or department for details. *Spanish.*	Seats (Total: 10) STM 0105
0111	Ahmed Hanafy M 4:00pm - 5:50pm Contact instructor or department for details. *Persian.*	Seats (Total: 10) STM 0105

SLLC318U **Advanced Less Commonly Taught Language I; Independent Readings in Ukrainian**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced-level work on speaking, reading, and writing a less commonly taught language. Continued development of oral proficiency skills.

This is a Big Ten Academic Alliance CourseShare course. The instructor is at the University of Illinois, but you enroll and receive credit for it at Maryland.

0101	Instructor: TBA **Meets August 25, 2025 - December 10, 2025** Contact instructor or department for details.	Seats (Total: 1)

SLLC329 Language House Immersion

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Provides credit for students participating in the Language House Living-Learning program. It focuses on the further development of skills in the target language and the acquisition of cultural knowledge of the countries and communities where people speak the target language. It requires hands-on immersive linguistic and cultural activities led by a native-speaking mentor and supplements the learning that takes place in the language classroom and in the living-learning environment of the Language House.

Restriction: Permission of the Language House Director and the related program Faculty Liaison; and must be in the Language House Immersion Program. Provides credit for students participating in the Language House Living-Learning program. Focuses on the further development of skills inthe target language and the acquisition of cultural knowledge of the countries and communities where people speak the target language. Requires hands-on immersive linguistic and cultural activities led by a native-speaking mentor and supplements the learning that takes place in the language classroom and in the living-learning environment of the Language House.

0101	Marilyn Matar, Charlee Bezilla Contact instructor or department for details. *Arabic*	Seats (Total: 10)
0102	Marilyn Matar, Charlee Bezilla Contact instructor or department for details. *Chinese*	Seats (Total: 10)
0103	Marilyn Matar, Charlee Bezilla Contact instructor or department for details. *French*	Seats (Total: 20)
0104	Marilyn Matar, Charlee Bezilla Contact instructor or department for details. *German*	Seats (Total: 10)
0105	Marilyn Matar, Charlee Bezilla Contact instructor or department for details. *Italian*	Seats (Total: 10)
0106	Marilyn Matar, Charlee Bezilla Contact instructor or department for details. *Japanese*	Seats (Total: 10)

0107	Marilyn Matar, Charlee Bezilla Contact instructor or department for details. *Korean*	Seats (Total: 10)
0108	Marilyn Matar, Charlee Bezilla Contact instructor or department for details. *Persian*	Seats (Total: 10)
0109	Marilyn Matar, Charlee Bezilla Contact instructor or department for details. *Russian*	Seats (Total: 10)
0110	Marilyn Matar, Charlee Bezilla Contact instructor or department for details. *Spanish*	Seats (Total: 20)

SLLC369A **Special Topics in Study Abroad III; Alternative Culture, Literature, Music and Lifestyles**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SLLC369C **Special Topics in Study Abroad III; Czech Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SLLC369D **Special Topics in Study Abroad III; Art and Dictatorship**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SLLC369X **Special Topics in Study Abroad III; Advanced Basque I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SLLC369Y **Special Topics in Study Abroad III; Advanced Basque II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SMLP Southern Management Leadership Program Fall 2025

SMLP470 **Fundamentals of Entrepreneurial Ventures**

Credits: 3 Grading Method: Regular

Restriction: Restricted to students in the Southern Management Leadership Program. Credit only granted for: HLMN470, SMLP470, ENES460 or BMGT461. Formerly: HLMN470. Additional information: SMLP470 may not count toward any BMGT major or minor degree.

Learn the processes and skills needed to launch and manage start-up ventures, including technology startups. Assess the feasibility of a startup ventures, as well as how to apply best practices for planning, launching, and managing new companies by using real-world examples and in-depth case studies. Discuss a wide range of issues of importance and concern to entrepreneurs and learn to recognize opportunity, assess the skills and talents of successful entrepreneurs, and learn models and approaches that help navigate uncertainty.

0101	Brooke Smith	Seats (Total: 45)
	F 1:00pm - 3:30pm	ESJ 2101

SMLP472 **Strategies for Innovation & Entrepreneurship**

Credits: 3 Grading Method: Regular

Restriction: Restricted to students in the Southern Management Leadership Program. Credit only granted for: HLMN472, SMLP472, BMGT467, or ENES463. Formerly: HLMN472. Additional information: SMLP472 may not count toward any BMGT major or minor degree.

Understand the process of technological change; the ways that firms come up with innovations; the strategies that firms use to benefit from innovation; and how to create new value not only through new products or services, but with novel technologies, business concepts, organizing structures, transaction/financing mechanisms, distribution channels, and market segmentation. Challenge students to think about how to create value and build a productive business organization with available resources (e.g. intelligence, insight, energy, initiative and personal relationships).

0101	Sara Herald	Seats (Total: 60)
	F 1:00pm - 3:30pm	ESJ 0215

SOCY Sociology Fall 2025

SOCY100 **Introduction to Sociology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS

Introduces fundamental concepts and theories of sociology. Guided by C. Wright Mills' "sociological imagination," the course promotes critical thinking; challenges conventional assumptions about culture politics, history, and psychology; and equips students with theoretical approaches and research methods to analyze various sociological topics, including family, work, education, religion, social movements, and issues related to class, gender, race, and ethnic inequalities.

0101	Christopher Malackany MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 120) ASY 2203 ONLINE
0201	Jeffrey Parsells-Johnson MWF 9:00am - 9:50am	Seats (Total: 120) ONLINE
0301	Jennifer Ashlock TuTh 12:30pm - 1:45pm	Seats (Total: 120) ASY 2203
0401	Jeffrey Parsells-Johnson MWF 11:00am - 11:50am	Seats (Total: 120) ONLINE
0501	Julia Chuang TuTh 9:30am - 10:45am	Seats (Total: 120) ASY 2203
FC01	Christopher Tamborini M 6:00pm - 7:15pm W 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 45) SQH 1119 ONLINE
FC02	Teagan Murphy TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 45) IRB 1207

SOCY105 **Understanding Contemporary Social Problems - Frameworks for Critical Thinking and Strategies for Solutions**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Embark on an exploration of contemporary social issues and unravel the intricate ways in which these challenges are woven into the fabric of society. Develop a comprehensive understanding of societal organization and partake in a detailed study of selected social problems, with a specific emphasis on issues like social conflict and inequality. This course provides an insightful journey into the nuanced interplay between societal structure and prevalent challenges, fostering a heightened awareness of the dynamics shaping our social landscape.

0101	Mansoor Moaddel MW 2:00pm - 3:15pm	Seats (Total: 50) ASY 3203	

SOCY200 **Innovation, Exploration and the Evolution of Human Societies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, SCIS

We will explore the nature of human societies through comparative, historical, and interdisciplinary perspectives. Students will delve into the core of social structures, unravel the defining components of society, and examine their organization, evolution, and impact on collective existence. Students will also explore the socio-historical forces and geopolitical dynamics that drive social change to analyze the complex connections that illuminate our shared social experience across time.

0101	Nicole De Loatch TuTh 2:00pm - 3:15pm	Seats (Total: 120) ASY 2203	

SOCY201 **Introductory Statistics for Sociology**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSAR

Prerequisite: SOCY100; and (MATH107 or MATH111). Restriction: Must not have completed STAT400, BMGT231, or ENEE324.

Students will explore descriptive and inferential statistics. You will hone your quantitative analytical skills to construct impactful bivariate tables, craft frequency distributions, and decipher measures of central tendency and dispersion. Additionally, you will master the techniques of hypothesis testing, chi-square, ANOVA, and ordinary least squares regression, equipping you to seamlessly translate data into meaningful research insights.

0101	Amelia Branigan MW 2:00pm - 3:15pm F 10:00am - 11:50am	Seats (Total: 20) TWS 0236 TWS 1107	 Lab
0102	Amelia Branigan MW 2:00pm - 3:15pm F 12:00pm - 1:50pm	Seats (Total: 20) TWS 0236 TWS 1107	 Lab

SOCY202 **Introduction to Research Methods in Sociology**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Prerequisite: SOCY100.

We will examine why social research is needed, explore some of the main quantitative and qualitative techniques to conduct sociological research, and discover how to understand and critically evaluate sociological research on pressing social problems. Students will also learn to use specialized software to analyze and interpret quantitative data in the computer lab.

0101	Monica Caudillo MW 2:00pm - 3:15pm F 12:00pm - 1:50pm	Seats (Total: 30) ESJ 2212 ASY 3207	 Lab
0102	Monica Caudillo MW 2:00pm - 3:15pm F 2:00pm - 3:50pm	Seats (Total: 30) ESJ 2212 ASY 3207	 Lab

SOCY203 **Sociological Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SOCY100.

Examines major trends in the history and development of sociological thought, including theories of inequality, the self, institutions, and more. With each theorist students will learn what sociologists assume and focus on when studying societies.

0101	Brian Connor MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 78) SQH 1120 ONLINE	

SOCY211 **The Sociology Major: Mapping the Road to Academic Success**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Sociology major or Sociology minor.

Designed to assist students in making a successful transition to the major and orient them to departmental, college, and university resources. Students will collaboratively explore avenues and best practices that build self-confidence and lead to academic achievement.

0101	Nicole De Loatch Class time/details on ELMs	Seats (Total: 20) ONLINE	

SOCY223 **Down the Rabbit Hole: Conspiracy Theories, Paranormal Beliefs, and How to Know What's Real**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, SCIS

It is becoming increasingly difficult to know what's real. We live in a world replete with deception, biases, fake images that seem indecipherable from real ones, and widespread and coordinated efforts to misinform us. Not unrelated to this, belief in conspiracy theories and the paranormal are flourishing. This course will explore the reasons why we so often believe claims that scientists reject and accept contentions that powerful and sinister conspirators are secretly controlling major events. We will investigate who believes, why we believe, and how normal human thinking processes contribute to the holding of questionable beliefs. The course will equip students with tools to evaluate claims and to understand why people believe what they do.

0101	Jeffrey Lucas MW 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 90) ASY 2309 ONLINE

SOCY224 **Why are We Still Talking About Race?**

Credits: 3 | Grading Method: Regular | General Education: DSHS, SCIS

Explore and discuss the major debates and assumptions that construct perceptions of race and how they matter. Sociological and social science theories will give students a historical and present day frame with which to view race and ethnic relations in the twenty-first century.

0101	Dawn Dow TuTh 3:30pm - 4:45pm	Seats (Total: 100) TYD 0117

SOCY227 **Introduction to the Study of Deviance**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

An introduction to the sociological study of deviant behavior, covering such topics as mental illness, sexual deviance, and the use of drugs.

0101	Christopher Malackany MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 60) ASY 2309 ONLINE

SOCY230 **Sociological Social Psychology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

Why do people do that? Sitting at the nexus of sociology and psychology, this course surveys the various ways in which sociologists have answered this question. We investigate individuals-for example, how they develop and understand themselves in relation to others, how they choose to present themselves to the world, and how they form thoughts and opinions. And we study larger units of analyses, from small groups to the broader society. Topics covered include socialization, identity formation, social influence, group processes, how social processes shape individual behavior, and how human behavior shapes society.

0101	Nicholas Smith	Seats (Total: 160)
	MW 9:00am - 9:50am Class time/details on ELMs	MMH 1400 ONLINE

SOCY241 **Inequality in American Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D | General Education: DSHS, DVUP

Credit only granted for: SOCY241 or SOCY441.

A broad-based overview of inequality in contemporary U.S. society, focusing on measuring patterns and trends over time. A series of learning modules familiarizes students with how inequality unfolds in relation to social stratification processes along the lines of race, gender, education and social class, income and wealth, and health.

0101	Collin Mueller	Seats (Total: 80)
	MWF 2:00pm - 2:50pm	ASY 2309

SOCY244 **Bridging Perspectives: Critical Conversations Between Students and Police**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

This course is a university curriculum created by the International Association of Chiefs of Police to enhance community-police engagement. This course brings university students and police together to engage in facilitated dialogue to learn from one another and build trust. Through this transformative educational course, both groups will enhance their knowledge of the structural and cultural frameworks that influence historical and current events and relationships between communities and police.

0101	Rashawn Ray, Genesis Fuentes	Seats (Total: 40)
	Tu 3:30pm - 6:00pm	ASY 1213

SOCY320 **Poverty and African American Children**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Cross-listed with: AAAS320. Credit only granted for: AASP320, AAAS320, AASP298P or SOCY320. Formerly: AASP298P.

The United States has high levels of child poverty compared to other industrialized nations. Poverty rates are particularly high among African American children. This course focuses on how poverty and race intersect to influence the development of children and youth. Specific topics that we will consider include definitions of poverty, theories about the causes of poverty, racial disparities in child poverty, family functioning in the context of poverty, neighborhood influences, risk and protective processes, and social policies and programs designed to mitigate the impact of poverty.

0101	Cecily Jackson	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	TLF 0103

SOCY322 **Immigration and Ethnicity in the US**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	General Education: DSHS, DVUP

Cross-listed with: AAST322. Credit only granted for: AAST322, SOCY222, HIST322 or SOCY322. Formerly: AAST222, SOCY222.

Explores historical and contemporary Asian immigration to the US in comparison to and in the context of other immigrant groups. From low-skilled laborers to highly-skilled professionals, Asian and other immigrants have been an integral part of the shifting US economy and society since its inception. The course includes theories on why immigration occurs, determinants of its continuation, the uses of migrant labor, and immigrant adaptation and settlement. The second part of the course focuses on theories of ethnicity and racial formation and how immigrants develop and challenge the definitions of race, ethnicity, the "other", and ultimately, who is American. Students will also have the opportunity to gain first-hand knowledge of the immigrant experience through a life history interview project.

0101	Julie Park TuTh 2:00pm - 3:15pm	Seats (Total: 30) ASY 1213

SOCY335 **Sociology of Health and Illness**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	General Education: DSSP

An exploration of the social model to studying health and illness: how meanings and experiences of health and illness are socially produced. How experiences are shaped by the interaction of external social environments (culture, community) and the internal environment (human body), and by socio-demographic variables (race, class, gender, etc.). Disparities in health and healthcare delivery, medicalization of society, determinants of health, social construction of illness, and the social organization of health care.

0101	Jennifer Ashlock TuTh 9:30am - 10:45am	Seats (Total: 90) ASY 2309

SOCY340 **Globalization's Winners and Losers**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	General Education: DSHS, SCIS

What is the relationship between globalization and inequality? This course examines the factors shaping both between-nation and within-nation household income inequality for the past century. It is divided into four parts, each considering a different factor. First we seek to understand global trade historically. Second, we examine the more recent phenomenon of outsourcing. Third, we examine welfare and taxation policy and its role in shaping domestic inequality. Finally, we analyze the mechanisms for the accumulation of capital within global finance. By the end of the course, students will be able to discuss globalization beyond the "is it good or bad" binary and understand the complex interaction between domestic politics and international trade.

0101	Julia Chuang	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	HBK 0123

SOCY378 **Undergraduate Teaching Assistantship**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

The Undergraduate Teaching Assistant position offers exceptional Sociology undergraduates the opportunity to actively contribute to the educational process. This hands-on role involves assisting faculty in classroom activities, mentoring fellow students, and supporting academic assignments and assessments. Throughout the course, students develop crucial teaching and communication skills, learn effective time management, and gain valuable teamwork experience. This position not only enhances students' resumes but also equips them with skills vital for future academic and professional roles. This is an individual instruction course; contact the department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY380 **Honors Independent Reading in Sociology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of BSOS-Sociology department.

This course permits sociology honor students to undertake a program or reading on a particular problem in sociology or a subfield therein. The reading will be done under the supervision of a member of the sociology faculty. Required of sociology honor students.

0101	Nicole De Loatch	Seats (Total: 5)
	Class time/details on ELMs	ONLINE

SOCY381 **Honors Independent Research in Sociology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SOCY380.

This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

Contact department for information to register for this course.

SOCY383 **Honors Thesis Research**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SOCY381.

Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

Contact department for information to register for this course.

SOCY386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of BSOS-Sociology department; and junior standing or higher.

To register, students must have departmental permission form signed by instructor and by Coordinator of Sociology Undergraduate Program.

Contact department for information to register for this course.

SOCY399 **Independent Study in Sociology**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Integrated reading or research under the direction and supervision of a faculty member. A maximum of 6 credits may be earned by a student for the same field experience in SOCY386 and SOCY399 combined.

No more than 6 hours of 399 is allowed for credit.

Contact department for information to register for this course.

SOCY410 **Social Demography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.

Demography is the scientific study of human populations including their size, distribution, composition, and the processes that change these characteristics. Social demography examines how population processes interrelate with institutions in society, such as the family and the economy.

0101	Liana Sayer	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	ASY 3207

SOCY424 **Sociology of Race Relations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of the Sociology department. Cross-listed with: AAST424. Credit only granted for: SOCY424 or AAST424.

Encourages sociological thinking about US racial and ethnic minority populations, with a focus on African Americans, Latinos, Asian Americans, and Native Americans. The central concern is to understand and explain racial/ethnic inequality. A wide array of topics are discussed, including prejudice and discrimination, slavery, residential segregation, cultural inequality, skin tone stratification, economic and educational disparities, and assimilation/generational processes.

0101	Wayne Santoro	Seats (Total: 29)
	MW 3:30pm - 4:45pm	ASY 3207

SOCY433 **Social Movements and Race**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.

This course aims to broaden our understanding of racial and ethnic minority social movements in the United States. We will often reference protests by African Americans and Latinos, such as by focusing on slave resistance, the modern civil rights movement, and Chicano movements. We will discuss various topics, including movement emergence, why people join and pick their tactics, government repression, movement outcomes, and movement decline. We will interrogate ways that movement processes and theoretical tools may be racially variant and strive to uncover how approaches used by scholars who study race (e.g., intersectionality, critical race theory, racialization) can be applied, and perhaps challenge, traditional social movement scholarship.

0101	Wayne Santoro	Seats (Total: 29)
	MW 2:00pm - 3:15pm	ASY 3207

SOCY436 **Where You Live Matters: Race, Segregated Neighborhoods, and Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Have you ever wondered how the neighborhoods we live in affect our health and the role that race plays in this dynamic? In this course, we will explore the historical foundations of race and racially segregated communities in the United States. We will examine how the racial composition of neighborhoods profoundly shapes the social, economic, and environmental conditions within communities, and how inequalities in these conditions contribute to health disparities. By the end of this course, students will have a deep understanding of how where we live shapes opportunities to lead healthful lives and the importance of addressing these challenges to create more equitable communities.

0101	Nicholas Smith	Seats (Total: 29)
	MW 2:00pm - 3:15pm	KEY 0103

SOCY437 **Urban Sociology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of the department.

This course examines the social, political, and economic forces shaping the emergence and transformation of cities in the United States, with particular focus on the Washington, D.C. metropolitan region. The course adopts an interdisciplinary approach to examine various topics, including urban placemaking, urban policy, housing, gentrification, transportation, redevelopment, the unfolding climate crisis, urban inequalities, and how different groups experience city life.

0101	Christopher Malackany	Seats (Total: 29)
	MW 10:00am - 10:50am F 10:00am - 10:50am	ASY 3207 ONLINE

SOCY442 **The Black Middle Class**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses.

Students will learn about the Black Middle Class. They will examine and explore the historical context that led to the rise of a Black Middle Class. Innovative avenues into the Black Middle Class will also be examined, including various household and family formations. Finally, the course will cover the consequences of being in the The Black Middle Class, with an emphasis on residential segregation and racial identity.

0101	Kris Marsh	Seats (Total: 35)
	TuTh 8:00am - 9:15am	ASY 3207

SOCY455 **Social Dimensions of Privacy and Surveillance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of the department. Credit only granted for: SOCY391 or SOCY455.

Today, it is quite common in many spheres of life that we divulge personal information in exchange for something else. This course examines practices of surveillance in contemporary society in relationship to collective understandings of privacy. By the end of this course, students will be able to analyze privacy norms and practices in the age of mass surveillance, how surveillance produces inequalities in relation to privacy, and how definitions and regulations of privacy and surveillance change over time.

0101	Brian Connor	Seats (Total: 29)
	MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	ASY 3207 ONLINE

SOCY460 **Researching Race, Gender, Class, and Sport**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Credit only granted for: SOCY310 OR SOCY460.

Historically, sports have been exclusionary by race, class and gender. Black athletes, women, and poor populations were excluded. Current discussions centered on sports, athletes, and social justice, leads to important sociological questions to consider and problems to investigate. In this research course, students will critically analyze assumptions, historical relationships, and contemporary issues in sports using an Intersectional conceptual framework. Students will analyze and synthesize original and empirical data for research-based poster presentations; and articulate how interrogating sports allows for innovative and revolutionary thinking as global citizens in various communities.

0101	Kris Marsh	Seats (Total: 39)
	TuTh 11:00am - 12:15pm	ASY 3203

SOCY462 Digital Technology and Society

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

Prerequisite: Must have completed 6 credits in SOCY courses; or permission of BSOS-Sociology department.

Situates digital technology in our social environment and then examines how this relationship reflects, reinforces, or reorders social hierarchies. Students will learn the conceptual and methodological foundations for studying and evaluating how technologies such as health and social media apps, the personal computer, artificial intelligence, and weapons of war have evolved, diffused and impacted social life. Students will explore and then conduct independent research on the relationship between technology and social inequalities through the lens of health and medicine, the environment and climate change, jobs and the workplace, as well as government and criminal justice.

0101	Jennifer Ashlock	Seats (Total: 29)
	TuTh 2:00pm - 3:15pm	ASY 3207

SOCY463 Sociology of Masculinity: How Much Has Masculinity Really Changed?

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS Sociology department.

An examination of the history both feminist social movements and feminist sociology in a specific way. It uses the sociological subfield of men and masculinities as a keyhole through which we will study 'the stalled revolution' for women's equality. Along the way, we will familiarize ourselves with academic and popular reports about changing and contested definitions, ideas, and behaviors of masculinity.

0101	Jeffrey Parsells-Johnson	Seats (Total: 29)
	MW 2:00pm - 3:15pm	ASY 1213

SOCY465 The Sociology of War: State and Society since the American Revolution

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed 6 credits in SOCY courses; or permission of BSOS-Sociology department. Credit only granted for: SOCY465 or SOCY265.

Since the American and French Revolutions at the end of the eighteenth century, warfare has been marked by the way national states draw ordinary people into armed conflicts--as members of the military, producers and controllers of resources and supporters or resisters, and also as targets and victims. This course examines how the centering of ordinary people in war has transformed over time, continuing right up to the current conflict in Ukraine. Alongside explaining why states make war the way they do, the course explores the impacts of making war and living through conflict on the societies embroiled in it.

0101	Meyer Kestnbaum TuTh 12:30pm - 1:45pm	Seats (Total: 29) ASY 1213

SOCY467 Sociology of Education

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.

Students will examine educational institutions from a sociological perspective by analyzing the latent and manifest functions of schooling. Students will study schools as structured organizations; investigate the various roles and subcultures present among teachers and students; and explore educational disparities in access and achievement.

0101	Meredith Kleykamp TuTh 12:30pm - 1:45pm	Seats (Total: 29) ASY 3203

SOCY470 Pregnancy and Parenthood in an Unequal Society

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of Sociology Department.

Analysis of patterns in sexual activity, contraceptive use, and unintended pregnancy, and how they reinforce or alleviate socioeconomic, gender, and racial inequalities. Emphasis on the role of healthcare providers and contraceptive access, attitudes about motherhood and contraception, policy interventions, and institutional designs. Social and economic consequences of increasing women's ability to control their fertility.

0101	Monica Caudillo MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 29) ASY 3215 ONLINE

SOCY475 Sociology of Emotions

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology Department. Credit only granted for: SOCY498W or SOCY475. Formerly: SOCY498W.

Emotions are often thought of as purely subjective experiences. How much more personal than one get than their emotions and feelings? In addition to their physiological and psychological aspects, however, emotions have a social side that often go unnoticed. This course will introduce you to the social aspects of emotions. In doing so, we will cover wide-ranging topics including the social causes of emotions, social norms about emotions, disparities in emotionalexperiences, and the ways in which emotions can maintain and reshape society.

0101	Long Doan	Seats (Total: 29)	
	TuTh 9:30am - 10:45am	ASY 1213	

SOCY601 Statistics for Sociological Research I

Credits: 4

Grading Method: Regular, Audit

Restriction: Must be in one of the following programs: (Sociology (Doctoral); Sociology (Master's)) ; or permission of instructor.

Covers calculation and interpretation of descriptive and inferential statistics, including Chi-square, ANOVA, correlation, and bivariate and multivariable OLS regression. Students will be introduced to applied data analysis using Stata statistical software.

0101	Amelia Branigan	Seats (Total: 20)	
	M 3:30pm - 6:00pm	ASY 4103	
	F 12:00pm - 1:50pm	ASY 2115	Lab

SOCY610 Logic of Social Inquiry

Credits: 3

Grading Method: Regular, Audit

Restriction: Restricted to Sociology graduate students. Credit only granted for: SOCY699D or SOCY610. Formerly: SOCY699D.

An introductory course on the fundamental issues that arise in the design, execution, analysis, and writing stages of the research process. The course is designed to help first-year graduate students begin their transition from a consumer to a producer of social research.

0101	Collin Mueller	Seats (Total: 20)	
	W 3:30pm - 6:00pm	ASY 2115	

SOCY617 Second-Year Paper Seminar

Credits: 3

Grading Method: Sat-Fail

Restriction: Restricted to Sociology PhD students.

This course is intended to help Sociology PhD students develop a successful second-year paper or another research paper equivalent in scope. It will also enhance students' ability to evaluate and constructively critique the work of others.

0101	Stanley Presser	Seats (Total: 10)
	M 4:00pm - 6:30pm	ASY 2115

SOCY620 Classical Sociological Theory

Credits: 3 Grading Method: Regular, Audit

Prerequisite: SOCY203 or SOCY403; or students who have taken courses with comparable content may contact the department; or permission of instructor.

Examines key texts in the emergence of social theory as a coherent body of thought, defined in part by the idea that society has a distinctive logic of its own that comes from society itself. Students will read works by Adam Smith, Alexis de Tocqueville, Karl Marx, Georg Simmel, Emile Durkheim, Max Weber, Simone de Beauvoir, WEB DuBois, and Karl Polanyi. Through close reading and discussion, students will trace the development of sociological theory from its origins in the latter 18th century through the founding of the discipline of Sociology in the early 1900s to the recasting of central understandings that emerged around the middle of the 20th century.

0101	Meyer Kestnbaum	Seats (Total: 20)
	Th 3:30pm - 6:00pm	ASY 4103

SOCY636 Racial Residential Segregation and Health

Credits: 3 Grading Method: Regular, Audit

Scholars have labeled racial residential segregation a "fundamental cause" of racial disparities in health. The primary objective of this course is to help students understand the reasons behind this label. To accomplish this, we will read classic and contemporary works that discuss the historical foundations of race and racially segregated communities in the United States. Then, we will critically review the large body of research that has examined various social, economic, and environmental mechanisms linking racial residential segregation to health and health disparities. By the end of this course, students will be able to identify key theoretical, conceptual, and methodological approaches, challenges, and opportunities in this literature.

0101	Nicholas Smith	Seats (Total: 10)
	MW 2:00pm - 3:15pm	KEY 0103

SOCY673 Sociology of Gender

Credits: 3 Grading Method: Regular, Audit

This graduate seminar is an introduction to the broad field of sociology of gender. The focus of the seminar is, first, to examine gender as a multilevel system of social practices that construct and reinforce the gender binary, which functions as a master binary that creates "women" and "men" as two different and unequal categories through processes that instill and reinforce gendered identities, interactions, and institutions. In the course, students will examine how gender intersects with other domains of inequality, particularly sexuality, race-ethnicity, social class, and nationality.

0101	Katharine Khanna	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	ASY 4103

SOCY681 **Group Processes**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of instructor. Credit only granted for: SOCY681 or SOCY699G. Formerly: SOCY699G.

An overview of sociology's group processes perspective, one of the three "faces" of sociological social psychology. The group processes tradition focuses on fundamental social processes that occur in group contexts. These include power, status, legitimacy, emotion, identity, prosocial behavior, justice, and others. The course will attend to all of these areas, with a special focus on research that addresses inequalities by race, gender, and class that are manifested in or exacerbated by specific group processes. Additionally, research in the group processes area tends to be characterized by formal approaches to theory and by experimental methodology, and the course will attend to the role of theory and experiments in building knowledge on group processes.

0101	Jeffrey Lucas	Seats (Total: 20)
	W 3:30pm - 6:00pm	ASY 4103

SOCY699 **Special Social Problems**

Credits: 1-16 Grading Method: Regular

Contact department for information to register for this course.

SOCY799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

SOCY898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

SOCY899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

SPAN Spanish Fall 2025

SPAN103 **Elementary Spanish for Intercultural Communication I**

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate World Language Placement (WLP) score. Restriction: Must not be a native/fluent speaker of Spanish. Native/fluent speakers of Spanish or students who have previously attended school in Spanish speaking countries should take the WLP and see the Spanish Undergraduate Advisor to identify the correct Spanish course for which to register. Credit only granted for: SPAN102 or SPAN103.

Develops students' communicative competence at the novice mid/high level of proficiency. Introduces students to global Hispanophone cultures.

0101	Camila Maidana MWF 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 18) JMZ 1124 ONLINE
	This blended course meets face-to-face MWF and includes an online component that will be completed on Thursdays.	
0201	Ricardo Mariani MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 18) JMZ 1124 ONLINE
	This blended course meets face-to-face MWF and includes an online component that will be completed on Thursdays.	
0301	Jan Varela MWF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 18) JMZ 1124 ONLINE
	This blended course meets face-to-face MWF and includes an online component that will be completed on Thursdays.	
0401	Luciana Alberio MWF 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 18) JMZ 1124 ONLINE
	This blended course meets face-to-face MWF and includes an online component that will be completed on Thursdays.	
0501	Samus Price MWF 2:00pm - 2:50pm Class time/details on ELMs	Seats (Total: 18) JMZ 1124 ONLINE
	This blended course meets face-to-face MWF and includes an online component that will be completed on Thursdays.	

SPAN169O **Special Topics in Study Abroad I; Beginner Spanish I**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN169P **Special Topics in Study Abroad I; Beginner Spanish II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN169X **Special Topics in Study Abroad I; Elementary Spanish I**

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN169Y **Special Topics in Study Abroad I; Elementary Spanish II**

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN203 **Elementary Spanish for Intercultural Communication II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: SPAN103; or must have appropriate World Language Placement (WLP) score. Restriction: Must not be a native/fluent speaker of Spanish. Native/fluent speakers of Spanish or students who have previously attended school in Spanish speaking countries should take the WLP and see the Spanish Undergraduate Advisor to identify the correct Spanish course for which to register.

Continues to develop students' communicative competence at the novice high/intermediate low level of proficiency. Furthers the introduction to global Hispanophone cultures.

0101	Jose Cabrera	Seats (Total: 20)
	MWF 9:00am - 9:50am Class time/details on ELMs	JMZ 1117 ONLINE
	This blended course meets face-to-face MWF and includes an online component that will be completed on Thursdays.	

0201	Jose Cabrera MWF 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 20) JMZ 1117 ONLINE
	This blended course meets face-to-face MWF and includes an online component that will be completed on Thursdays.	
0301	Javier Catano Garcia MWF 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 20) JMZ 1117 ONLINE
	This blended course meets face-to-face MWF and includes an online component that will be completed on Thursdays.	
0401	Maria Herrera Arvay MWF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 20) JMZ 1117 ONLINE
	This blended course meets face-to-face MWF and includes an online component that will be completed on Thursdays.	
0501	Shadi Mohammadi MWF 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 20) JMZ 1117 ONLINE
	This blended course meets face-to-face MWF and includes an online component that will be completed on Thursdays.	
0601	Shadi Mohammadi MWF 2:00pm - 2:50pm Class time/details on ELMs	Seats (Total: 20) JMZ 1117 ONLINE
	This blended course meets face-to-face MWF and includes an online component that will be completed on Thursdays.	

SPAN204 **Intermediate Spanish for Intercultural Communication**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: SPAN203; or must have appropriate World Language Placement (WLP) score. Restriction: Must not be a native/fluent speaker of Spanish. Native/fluent speakers of Spanish or students who have previously attended school in Spanish speaking countries should take the WLP and see the Spanish Undergraduate Advisor to identify the correct Spanish course for which to register.

Further develops students' communicative competence at the intermediate mid/high level of proficiency. Fosters expanded knowledge of and appreciation for global Hispanophone cultures.

0101	Samuel Aguayo MWF 11:00am - 11:50am	Seats (Total: 18) JMZ 1122
0201	Chila Hidalgo MWF 1:00pm - 1:50pm	Seats (Total: 18) JMZ 0120
0301	Gianinna Malatesta MWF 10:00am - 10:50am	Seats (Total: 18) JMZ 0208
0401	Maria Srur MWF 12:00pm - 12:50pm	Seats (Total: 18) JMZ 1215

SPAN206 **Spanish for Heritage Speakers I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Native or near native knowledge of and no formal education in Spanish.

Review of oral and written Spanish for students who have native or near native knowledge of, but no formal education in Spanish. Taught in Spanish.

Students new to language courses in SLLC must take the Foreign Language Placement Test in order to register.

0101	Evelyn Canabal-Torres MWF 10:00am - 10:50am	Seats (Total: 18) JMZ 2120

SPAN207 **Reading and Writing in Spanish**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: Must have completed or be concurrently enrolled in SPAN204; or must have appropriate World Language Placement (WLP) score.

Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0101	Chila Hidalgo MWF 10:00am - 10:50am	Seats (Total: 18) JMZ 3203
0201	Chila Hidalgo MWF 11:00am - 11:50am	Seats (Total: 18) JMZ 3203

0301	Chila Hidalgo MWF 12:00pm - 12:50pm	Seats (Total: 18) JMZ 3203
0401	Keven Garcia TuTh 9:30am - 10:45am	Seats (Total: 18) JMZ 0118
0501	Keven Garcia TuTh 11:00am - 12:15pm	Seats (Total: 18) JMZ 0118

SPAN234 **Issues in Latin American and Caribbean Studies I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO, D | General Education: DSHS, DSHU, DVUP

Cross-listed with: LACS234, PORT234. Credit only granted for: LASC234, PORT234, SPAN234, or LACS234. Formerly: LASC234.

Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Francisco Barrenechea Cuadra MW 3:30pm - 4:45pm	Seats (Total: 30) WDS 1114
0102	Jonathan Brower TuTh 2:00pm - 3:15pm	Seats (Total: 25) SQH 1111

SPAN234H **Issues in Latin American and Caribbean Studies I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO, D | General Education: DSHS, DSHU, DVUP

Cross-listed with: LACS234, PORT234. Credit only granted for: LASC234, PORT234, SPAN234, or LACS234. Formerly: LASC234.

Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

Open to Honor students only.

0101	Francisco Barrenechea Cuadra MW 3:30pm - 4:45pm	Seats (Total: 5) WDS 1114

SPAN269A **Special Topics in Study Abroad II; B1 Intermediate Level Spanish I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN269B **Special Topics in Study Abroad II; B1 Intermediate Level Spanish II**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN269D **Special Topics in Study Abroad II; Catalan Language and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN269I **Special Topics in Study Abroad II; Intermediate Spanish**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN269L **Special Topics in Study Abroad II; Spanish Language B1**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN301 **Advanced Grammar and Composition I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in SPAN207.

Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

0101	Ana Acedo Garcia MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 2123
0201	Karina De Sande MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 2123
0301	Maria Herrera Arvay TuTh 9:30am - 10:45am	Seats (Total: 20) JMZ 1120

0401	Ginette Eldredge TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 1120

SPAN302 **Advanced Grammar and Composition II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301.

Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.

Contact department for information to register for this course.

SPAN303 **Approaches to Cultural Materials in the Hispanic World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: SPAN301. Recommended: May elect to take SPAN311 and/or SPAN316 in same semester as SPAN303.

Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. Taught in Spanish.

0101	Jorge Bayas MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 0205
0201	Andrea Torres Armas MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 2120
0301	Laura Demaria TuTh 9:30am - 10:45am	Seats (Total: 20) JMZ 2122
0401	Ana Rodriguez TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 1117
0501	Angela Pico Pinto TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 1117

SPAN306 **Spanish for Heritage Speakers II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN206.

Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical and stylistic devices will be highlighted. Designed for Spanish speakers educated in English. Taught in Spanish.

0101	Evelyn Canabal-Torres MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 2120

SPAN311 Advanced Communication I

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301; and must have completed or be concurrently enrolled in SPAN303. Restriction: Must not be a native/fluent speaker of Spanish.

Further development of listening, speaking, and writing skills in Spanish. Opportunity to develop oral and written fluency, improve pronunciation and increase vocabulary. Individual and/or group oral presentations. Taught in Spanish.

0101	Ana Acedo Garcia MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2123
0201	Ana Acedo Garcia MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 2123
0301	Tatiana Chi Miranda TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 0103

SPAN316 Spanish Translation I

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301; and must have completed or be concurrently enrolled in SPAN303.

Translation of texts into Spanish and/or English. Taught in Spanish.

0101	Maria Herrera Arvay TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 0122
0201	Chris Lewis TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 1120

SPAN317 Translation II

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN316.

Translation of non-literary, non-technical texts into Spanish and/or English.

Contact department for information to register for this course.

SPAN325 **Hispanic Linguistics I: Grammar and Society**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN303; and (SPAN311 or SPAN316). Credit only granted for: SPAN310 or SPAN325. Formerly: SPAN310.

Sociolinguistic approach to Spanish grammar focusing on real-life exploration of the ways linguistic structures change and are used in different parts of the Spanish-speaking world. Taught in Spanish.

0101	Ana Acedo Garcia	Seats (Total: 20)
	MWF 11:00am - 11:50am	JMZ 0205

SPAN331 **Spanish Culture, Civilization and Literature I: Medieval Times**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: SPAN303; and (SPAN311 or SPAN316).

The exploration of cultures of the Iberian Peninsula from its origins until the 15th century as well as the study of historical and political events that gave rise to the Spanish state. Taught in Spanish.

0101	Ginette Eldredge	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMZ 2120

SPAN332 **Spanish Culture, Civilization and Literature II: Renaissance and Baroque**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: SPAN303; and (SPAN311 or SPAN316).

An overview of cultural and literary production of Spain from the late 15th through late 17th centuries, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

Contact department for information to register for this course.

SPAN333 **Spanish Culture, Civilization and Literature III: Modern Times**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: SPAN303; and (SPAN311 or SPAN316).

An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

0101	Mehl Penrose TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 0120

SPAN359E **Spanish for the Professions; Performing U.S. Latina/e/o Experiences**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Exploration of cultural and linguistic skills for different professional contexts including vocabulary, listening, speaking, reading and strategies. No experience in the professional area necessary. Taught in Spanish.

Introduction to the ways that Latina/e/o artists and activists have used music, literature, theater, performance art, film, and social media to document, represent, and engage with their communities as they have shown up and spoken out throughout the United States.

0101	Chris Lewis TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 2206

SPAN361 **Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, DVUP

Prerequisite: SPAN303; and (SPAN311 or SPAN316).

Overview of cultural history of Latin America from pre-Columbian civilizations to the Colonial period, exploring the foundations of the Spanish American cultural and literary tradition to approximately 1770. Taught in Spanish.

0101	Eyda Merediz MW 2:00pm - 3:15pm	Seats (Total: 20) JMZ 2207
0201	Miguel Valerio TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 0208

SPAN362 **Latin American Literatures and Cultures II: From Independence to Nation Formation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, DVUP

Prerequisite: SPAN303; and (SPAN311 or SPAN316).

An overview of cultural and literary production of Latin America from the 18th Century to approximately 1900, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.

Contact department for information to register for this course.

SPAN363 **Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP

Prerequisite: SPAN303; and (SPAN311 or SPAN316).

An overview of cultural and literary production of Latin America from the late 19th through the early 21st centuries, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.

0101	Juan Quintero-Herencia MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 3205
0201	Saul Sosnowski TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 1124

SPAN369A **Special Topics in Study Abroad III; Advanced Oral Communication in Spanish**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN369B **Special Topics in Study Abroad III; Advanced Academic Writing in Spanish**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN369F **Special Topics in Study Abroad III; Spanish Oral Skills through Theatre**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN369G **Special Topics in Study Abroad III; Spanish for the Health Professional**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN369J **Special Topics in Study Abroad III; Spanish Grammar and Expression**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN369M **Special Topics in Study Abroad III; Spanish Language B2**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN369O **Special Topics in Study Abroad III; Spanish Conversation and Oral Skills**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN369P **Special Topics in Study Abroad III; Spanish Oral Techniques**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN369Q **Special Topics in Study Abroad III; Spanish Phonetics and Phonology**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN369R **Special Topics in Study Abroad III; Advanced Reading Skills in Spanish**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN369V **Special Topics in Study Abroad III; Advanced Present-Day Spanish Usage**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN369W **Special Topics in Study Abroad III; Spanish Stylistics: Advanced Spanish Writing and Stylistics**

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN369Y **Special Topics in Study Abroad III; B2 Advanced Level Spanish 1**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN369Z **Special Topics in Study Abroad III; B2 Advanced Level Spanish 2**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN370 **Spanish for Business I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN303; and (SPAN311 or SPAN316).

Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of Spanish commercial topics. May include exposure to Spanish commercial topics. May include exposure to Spanish business environments. Taught in Spanish.

0101	Karina De Sande	Seats (Total: 25)
	MWF 10:00am - 10:50am	JMZ 2206

SPAN371 **Spanish for the Health Professions**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN303; and (SPAN311 or SPAN316).

Exploration of cultural and linguistic skills for the health professions including vocabulary, listening, speaking, reading and strategies. No experience in the professional area necessary. Taught in Spanish.

0101	Evelyn Canabal-Torres	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	JMZ 2206

SPAN372 **Spanish and the Law**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN311 or SPAN316.

Offers students the opportunity to enhance Spanish linguistic and intercultural communication skills in contexts of legal practice through the translation of a variety of legal documents. Introduces Spanish legal terminology in areas such as immigration, consumer protection, and criminal/employment/housing/family law. Students will learn how to apply these language and cultural skills as future legal practitioners interacting with clients who possess limited English proficiency. Native or fluent guest participants will expose students to legal terminology, registers, and dialects from various Spanish-speaking countries. The goal of the class is to enable students to, at a minimum, conduct intake interviews in a culturally competent fashion with Spanish-speaking clients without the assistance of interpreters. The course is designed to be beneficial for students with varying levels of Spanish language ability, up to and including students who are native or heritage speakers of Spanish. Taught in Spanish

0101	Jose Magro	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	JMZ 2206

SPAN373 **Spanish in the Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN303; and (SPAN311 or SPAN316).

Exploration of Spanish in current events in the Hispanic world in local and international press and varied media, and production of journalistic articles.

ESG1	Tatiana Chi Miranda	Seats (Total: 20)
	Class time/details on ELMs	ONLINE
	W 4:00pm - 5:15pm	ONLINE
	Restricted to students at Shady Grove. This course will meet synchronously online every other Wednesday. This course requires intermediate fluency in written and spoken Spanish. If you have questions or experience difficulty registering for this course, email spap-advise@umd.edu.	

SPAN374 **Spanish in the Community**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: SPAN303; and (SPAN311 or SPAN316).

Provides students with context for understanding, communicating with, and working with the Spanish-speaking community. Topics include Latino/a demographics, cultures, communities, work opportunities and local uses of Spanish. Requires outside service-learning work.

0101	Ana Rodriguez	Seats (Total: 25)
	TuTh 9:30am - 10:45am	JMZ 1117

SPAN386 **Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

SPAN388W **Writing Center Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular General Education: DSSP

Prerequisite: Permission of the Writing Center (1205 Tawes Hall). Repeatable to 12 credits. Cross-listed with: ENGL388W. Credit only granted for: ENGL388W or SPAN388W.

Examines face-to-face and online writing center theory and practice through readings, exercises, and supervised tutoring. Students investigate the writing process and help other writers to negotiate it.

0101	Thomas Earles M 3:30pm - 6:00pm	Seats (Total: 20) ASY 3219
2001	Thomas Earles Contact instructor or department for details.	Seats (Total: 4)

SPAN399 **Independent Study in Spanish**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Specific readings in literature or a translation project under the supervision of a faculty member of the department.

Prerequisite: permission of department.

Contact department for information to register for this course.

SPAN401 **Advanced Composition I**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN302; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.

Contact department for information to register for this course.

SPAN402 **Advanced Composition II**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN401; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.

Contact department for information to register for this course.

SPAN408Y Special Topics in Iberian and Latin American Studies; Contemporary Spanish Short Story

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in (a) the literature and film of Spain, Spanish-speaking Latin America, and U.S. Latina/o communities; (b) Spanish linguistics; and (c) Spanish, Latin American, and U.S. Latino cultural studies. Each topic will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409F Great Themes of the Hispanic Literatures; Literary Myths and Philosophy in the European Tradition

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409L Great Themes of the Hispanic Literatures; 20th Century and Contemporary Latin American Short Story

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409O Great Themes of the Hispanic Literatures; Images of Spain in Contemporary Cinema

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409W Great Themes of the Hispanic Literatures; Women Writers of Spain

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409X Great Themes of the Hispanic Literatures; The Spanish Mystery Novel

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409Y **Great Themes of the Hispanic Literatures; Filmmaking in Spain**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN422 **Intercultural Communication and Negotiation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Prerequisite: SPAN370 OR SPAN371 OR SPAN373 OR SPAN 374. Restriction: Junior standing or higher.

Focuses on the relationship of language and culture of those operating in world markets. Particular attention will be given to intercultural communication, linguistic systems, culture specific perceptions of, and negotiation with, the Spanish-speaking world. Taught in Spanish.

0101	Elisa Gironzetti	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 1122

SPAN425 **Hispanic Linguistics II: Structures of Spanish**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN303; and SPAN311 or SPAN316 or SPAN325.

This course begins with an introduction to general concepts in linguistics, from language function and the brain to communication, culture, and thought, and their relation to other disciplines in the social sciences. The main purpose of this course is to provide an overview of Hispanic linguistics through multiple perspectives, while exploring the areas of Spanish morphology, syntax, and semantics. This course will also focus on the structural tendencies of Spanish through a variety of practical activities. Taught in Spanish.

Jointly offered with SPAN625. Credit granted for SPAN425 or SPAN625.

0101	Manel Lacorte	Seats (Total: 20)
	TuTh 9:30am - 10:45am	JMZ 1122

SPAN440 **Speaking Up/Out: Women Writers and Feminist Social Movements in Contemporary Latin America**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN331, SPAN332, SPAN333, SPAN361, SPAN362, or SPAN363; or permission of instructor.

This seminar will explore how feminist subversion of naturalized power relationships has become a social force that is reshaping Latin American culture in the last several decades. Also, we will study how contemporary cultural artifacts contest value systems while rejecting entrenched hierarchies and norms. By reading contemporary women writers and by working on contemporary feminist social movements, this course will explore what the anthropologist Rita Segato has defined as "the war against women." Taught in Spanish.

0101	Laura Demaria	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	JMZ 1104

SPAN448M **Special Topics in Latin American Civilization; Contemporary Puerto Rican Musicality: From Plena to Bad Bunny**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Intensive independent study of a selected topic related to Latin American civilization.

From Salvador Brau to Tite Curet Alonso, from Canario and Ismael Rivera to Bad Bunny. Bomba, plena, danza, salsa, merengue, bachata, reggaeton, musica independiente, this course aims to immerse the student in the cultural intricacies and imaginaries of the Puerto Rican musical experience. How does a song capture its temporal and existential immediacy? Furthermore, can such representation evolve into a contemplation of contemporary times? What constitutes a musical representation of the contemporary in Puerto Rico? This course will explore a curated selection of literarytexts, essays, songs, videos, andespeciales to initiate a conversati on on the concept of the contemporary Puerto Rican soundscape. Taught in Spanish.

0101	Juan Quintero-Herencia	Seats (Total: 20)
	MWF 10:00am - 10:50am	JMZ 1122

SPAN449J **Special Topics in Spanish Civilization; Mosaic: Jews, Muslims and the Spanish Experience**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An intensive study of a selected topic related to Spanish civilization.

Contact department for information to register for this course.

SPAN449Z **Special Topics in Spanish Civilization; Barcelona/ Madrid: Literature & Film in the Contemporary City**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An intensive study of a selected topic related to Spanish civilization.

Contact department for information to register for this course.

SPAN460 **The Sublime and the Grotesque in Spanish Romantic Plays and the Visual Arts**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN331, SPAN332, SPAN333, SPAN361, SPAN362, or SPAN363; or permission of instructor.

An exploration of the notions of the sublime and the grotesque in theatrical works as well as in the visual arts of the Romantic movement in Spain. Taught in Spanish.

0101	Mehl Penrose	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	JMZ 1117

SPAN462 **Twentieth Century Drama**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.

Significant plays of the twentieth century.

Contact department for information to register for this course.

SPAN464 **Contemporary Spanish Poetry**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.

Spanish poetry from the generation of 1927 to the present.

Contact department for information to register for this course.

SPAN469C **Study Abroad Special Topics IV; Composition**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN469D **Study Abroad Special Topics IV; Chilean History**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN479 **Honors Thesis**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail, Audit

Researching and writing an honors thesis under the direction of a professor.

Contact department for information to register for this course.

SPAN495 **Honors Reading**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must be in Spanish and Portuguese Honors; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Supervised reading.

Contact department for information to register for this course.

SPAN605 **Teaching Spanish I**

Credits: 1 Grading Method: Regular, Audit

Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must be a Spanish teaching assistant.

Methods and materials for teaching Spanish in higher education.

Restricted to SPAP graduate students or by permission of instructor only.

0101	Jose Magro	Seats (Total: 10)
	M 4:00pm - 4:50pm	JMZ 2125

SPAN622 **Intercultural Communication and Negotiation**

Credits: 3 Grading Method: Regular, Audit

Jointly offered with: SPAN422. Credit only granted for: SPAN422 or SPAN622.

Focuses on the relationship of language and culture and the negotiation of meaning within different speech communities. Students will learn concepts to describe how language is used in real communicative contexts and apply these to understand and use Spanish appropriately in different professional situations and environments. The course includes a research component. Taught in Spanish.

0101	Elisa Gironzetti	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 1122

SPAN625 **Introduction to Hispanic Linguistics I:Basic Concepts**

Credits: 3 Grading Method: Regular, Audit

Introduction to basic terms and definition in Hispanic Linguistics. Fundamental aspects of phonology, morphology, syntax, semantics, sociolinguistics, and pragmatics.

Jointly offered with SPAN425. Credit granted for SPAN425 or SPAN625.

0101	Manel Lacorte TuTh 9:30am - 10:45am	Seats (Total: 20) JMZ 1122
PUQ1	Manel Lacorte W 5:00pm - 7:45pm	Seats (Total: 5) ONLINE

Students admitted to the Dual Language Graduate Certificate program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.

SPAN699 **Independent Study in Spanish**

Credits: 1-3 Grading Method: Regular, Audit

This course is designed to provide graduate students an opportunity to pursue independent study under the supervision of a member of the department.

Contact department for information to register for this course.

SPAN798R **Open Seminar; Borges is the Aleph**

Credits: 3 Grading Method: Regular, Audit

The Aleph, as Borges reminds us, is a point in space containing all other points. Borges is our literary Aleph. We'll work on some of his major texts; from them we'll draw lines that radiate towards other Latin American works. Student research, anchored in Borges, will seek to reach the landing sites of prose fiction published since the mid-1950s.

0101	Saul Sosnowski Th 5:00pm - 7:30pm	Seats (Total: 10) JMZ 2207

SPAN798W **Open Seminar; Spanish Language: A Journey ("El espanol en su devenir")**

Credits: 3 Grading Method: Regular, Audit

Explores the quintessential journey of Spanish language and how classic and other languages paved the linguistic path that native Spanish speakers from the Hispanic world call their own language. The course analyze s Spanish language as a living being (Dasein) and how, throughout times, it reveals its own life and ultimately our human specificity. Students will research the formal, political, social, literary implications present in the writings of contemporary authors and will explain the variations from Medieval, Renaissance and Baroque Spanish authors. Students will also discuss how Spanish language was viewed as a political instrument after Latin America s independence wars.

0101	Carmen Benito-Vessels M 5:00pm - 7:30pm	Seats (Total: 15) JMZ 2125

SPAN798Z **Open Seminar; Race and Ethnicity**

Credits: 3 Grading Method: Regular, Audit

Engages students in key concepts and debates about race and ethnicity in Latin America. Through a range of theoretical/critical texts, paired with representative primary texts and other material, we will explore ideas such as limpieza de sangre, the casta system, mestizaje, indigenismo, Afro-Latin American social and cultural movements, and questions of racial and ethnic identities as they have emerged, flourished, or vanished since the European encounter with the Americas.

0101	Miguel Valerio Tu 5:00pm - 7:30pm	Seats (Total: 20) JMZ 2207	

SPAN799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

SPAN898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

SPAN899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

SPHL Public Health Fall 2025

SPHL100 **Foundations of Public Health**

Credits: 3 Grading Method: Regular

Restriction: Must be in a major in SPHL-School of Public Health. Credit only granted for: SPHL100, PHSC300 or SPHL600.

An overview of the goals, functions, and methods of public health. After an introduction to the core concepts and tools used in public health research and practice, applications of these methodologies are considered in the context of current controversies/problems in public health. Students work together to develop strategies for prevention and control that take into consideration different points of view, outside research, and impacts on individuals and communities.

0101	Shuling Wu MW 10:00am - 10:50am Class time/details on ELMs F 8:00am - 8:50am	Seats (Total: 20) ESJ 0224 ONLINE SPH 0303	Discussion
0102	Shuling Wu MW 10:00am - 10:50am Class time/details on ELMs F 9:00am - 9:50am	Seats (Total: 20) ESJ 0224 ONLINE SPH 0303	Discussion

0103	Shuling Wu MW 10:00am - 10:50am Class time/details on ELMs F 10:00am - 10:50am	Seats (Total: 20) ESJ 0224 ONLINE SPH 0303	Discussion
0104	Shuling Wu MW 10:00am - 10:50am Class time/details on ELMs F 11:00am - 11:50am	Seats (Total: 20) ESJ 0224 ONLINE SPH 0303	Discussion
0105	Shuling Wu MW 10:00am - 10:50am Class time/details on ELMs F 12:00pm - 12:50pm	Seats (Total: 20) ESJ 0224 ONLINE SPH 0303	Discussion
0106	Shuling Wu MW 10:00am - 10:50am Class time/details on ELMs F 1:00pm - 1:50pm	Seats (Total: 20) ESJ 0224 ONLINE SPH 0303	Discussion
0107	Shuling Wu MW 10:00am - 10:50am Class time/details on ELMs F 2:00pm - 2:50pm	Seats (Total: 20) ESJ 0224 ONLINE SPH 0303	Discussion
0108	Shuling Wu MW 10:00am - 10:50am Class time/details on ELMs F 3:00pm - 3:50pm	Seats (Total: 20) ESJ 0224 ONLINE SPH 0303	Discussion
0109	Shuling Wu MW 10:00am - 10:50am Class time/details on ELMs F 10:00am - 10:50am	Seats (Total: 20) ESJ 0224 ONLINE SPH 0227	Discussion
0110	Shuling Wu MW 10:00am - 10:50am Class time/details on ELMs F 11:00am - 11:50am	Seats (Total: 20) ESJ 0224 ONLINE SPH 0227	Discussion

0201	Shuling Wu MW 12:00pm - 12:50pm Class time/details on ELMs F 8:00am - 8:50am	Seats (Total: 20) ESJ 0224 ONLINE SPH 0307	Discussion
0202	Shuling Wu MW 12:00pm - 12:50pm Class time/details on ELMs F 9:00am - 9:50am	Seats (Total: 20) ESJ 0224 ONLINE SPH 0307	Discussion
0203	Shuling Wu MW 12:00pm - 12:50pm Class time/details on ELMs F 10:00am - 10:50am	Seats (Total: 20) ESJ 0224 ONLINE SPH 0307	Discussion
0204	Shuling Wu MW 12:00pm - 12:50pm Class time/details on ELMs F 11:00am - 11:50am	Seats (Total: 20) ESJ 0224 ONLINE SPH 0307	Discussion
0205	Shuling Wu MW 12:00pm - 12:50pm Class time/details on ELMs F 12:00pm - 12:50pm	Seats (Total: 20) ESJ 0224 ONLINE SPH 0307	Discussion
0206	Shuling Wu MW 12:00pm - 12:50pm Class time/details on ELMs F 1:00pm - 1:50pm	Seats (Total: 20) ESJ 0224 ONLINE SPH 0307	Discussion
0207	Shuling Wu MW 12:00pm - 12:50pm Class time/details on ELMs F 2:00pm - 2:50pm	Seats (Total: 20) ESJ 0224 ONLINE SPH 0307	Discussion
0208	Shuling Wu MW 12:00pm - 12:50pm Class time/details on ELMs F 3:00pm - 3:50pm	Seats (Total: 20) ESJ 0224 ONLINE SPH 0307	Discussion

0209	Shuling Wu MW 12:00pm - 12:50pm Class time/details on ELMs F 12:00pm - 12:50pm	Seats (Total: 20) ESJ 0224 ONLINE SPH 0227	Discussion
0210	Shuling Wu MW 12:00pm - 12:50pm Class time/details on ELMs F 1:00pm - 1:50pm	Seats (Total: 20) ESJ 0224 ONLINE SPH 0227	Discussion
FC01	Tracy Zeeger TuTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection. Freshmen Connection students must send an email to fc@umd.edu to request permission to enroll in this section.*	Seats (Total: 35) TWS 0207	

SPHL206 **The Transfer Experience in Public Health**

Credits: 1 Grading Method: Regular

SPHL206 is more than just a course--it's a launchpad. Designed specifically for transfer students in the School of Public Health, this course tools, space, and support needed to successfully transition to the University of Maryland. Students will benefit from a practical yet inspiring course that blends academic planning with personal development and real-world application. Students will build a personalized graduation plan, strengthen time and stress management skills, dive into resume and cover letter writing, explore career pathways in public health and discover how to maximize your time at UMD through leadership opportunities and co-curricular involvement. Most importantly, the voice as a transfer student is centered with a focus on leadership, belonging, and holistic success.

SPH First Semester Transfers Only

0101	Kendyl Oliver Tu 11:00am - 12:15pm	Seats (Total: 20) Location: TBA

SPHL246 **Terp Restoration**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: Students must be undergraduate majors within the School of Public Health; and permission of instructor.

This lab course is designed to assist students in improving academic strategies, learning time management practices, interacting with the faculty and greater campus community, and developing professional career aspirations. The focus will be on an exploration of the academic environment, campus resources, self-discovery tools, and skill development. Utilizing an interactive experience through facilitated discussion that develops positive relationships, students will actively explore academic opportunities offered through the School of Public Health and the University of Maryland.

0101	April Khaing **Meets September 2, 2025 - October 17, 2025** Tu 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 20) SPH 0116B ONLINE

SPHL308 **SPH Dean's Undergraduate Advisory Council**

Credits: 1 Grading Method: Regular

This course serves as a way to connect student members of the School of Public Health (SPH) Dean's Undergraduate Advisory Council (DUSAC). In this course, you will engage key stakeholders in SPH, identify a need within SPH, and propose a program that will address the need. During the fall and spring semesters, you will work with SPH and campus stakeholders to implement and evaluate the program.

0101	Nicole Cousin-Gossett, Beth Cohen W 3:00pm - 4:30pm	Seats (Total: 15) SPH 2242H

SPHL333 **Fundamentals of Undergraduate Teaching for Education Assistants and Mentors (UTEAM)**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail

Corequisite: SPHL399. Restriction: Permission of the instructor; and permission of the School of Public Health. Additional information: This course must be taken concurrently with SPHL399 the first term in which a student is a UTA. Preference is given to students within an SPHL major.

Supports the professional and personal development of UG students in the UTEAM program. Must be completed concurrently with the first semester of providing UTEAM support to a specific course. UTEAM members are dedicated student learners who provide peer education support for specific course as part of the teaching team and emphasizes: 1) introduction to teaching, learning, literature and practice, 2) collaboration with other UTEAM members, faculty and staff as a learning community, and 3) reflection on the knowledge and skills developed through course participation.

0101	Cynthia Kershaw Class time/details on ELMs	Seats (Total: 75) ONLINE

SPHL358 **Gymkana Troupe**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

The University of Maryland Gymkana Troupe offers University of Maryland students a unique and incredible opportunity to be a part of an amazing performance team with an important mission. That mission is to serve as ambassadors for the School of Public Health, inspiring healthy choices through their gymnastics and acrobatic performances. Founded in 1946, the Troupe has existed and thrived for decades through its core values of leadership, integrity, family, and effort. Gymkana provides its members a safe space to grow as athletes, showcase their talents, gain invaluable experiences and create unforgettable memories and friendships. The prerequisite for enrollment in this course is the successful completion of two full and consecutive semesters of Gymkana Troupe membership along with concurrent Gymkana Troupe membership. Students that are withdrawn from the Gymkana Troupe before the end of the course term MUST immediately withdraw from the course.

0101	Ben Prescott	Seats (Total: 40)	
	W 6:30pm - 9:30pm	SPH 1120	

SPHL399 Academic Peer Teaching and Mentoring in Public Health

Credits: 1-3 Grading Method: Regular, Pass-Fail

An independent study course for the Undergraduate Teaching and Mentoring (UTEAM) program within the School of Public Health. Students will apply evidence-based research while assisting peers with the understanding and application of course content. Specific responsibilities may vary dependent upon the course instructor. The primary roles of the UTEAM members will be to provide in-class support and/or external course support through review sessions, discussions sessions, laboratory support, group tutoring and office hours.

Contact department for information to register for this course.

SPHL600 Foundations of Public Health

Credits: 3 Grading Method: Regular

Restriction: Must be a graduate student within the School of Public Health. Credit only granted for: SPHL100, PHSC300 or SPHL600.

An overview of the goals, functions, and methods of public health. After an introduction to the core concepts and tools used in public health research and practice, applications of these methodologies are considered in the context of current controversies/problems in public health. Students work together to develop strategies for prevention and control that taken into consideration different points of view, outside research, and impacts on individuals and communities.

0101	Sylvette La Touche-Howard	Seats (Total: 12)	
	Class time/details on ELMs	ONLINE	
	Th 3:00pm - 4:00pm	ONLINE	Discussion
PLP1	Sylvette La Touche-Howard	Seats (Total: 35)	
	Class time/details on ELMs	ONLINE	
	Must be in Health Administration, Online. Golden ID students are not eligible for this section.		

SPHL601 **Core Concepts in Public Health**

Credits: 1 Grading Method: Regular

Restriction: Must be a Master's of Public Health (MPH) or Master's of Health Administration (MHA) student within the School of Public Health.

Introduces students to the history, functions, systems, policies, and models of public health practice in the United States and globally. The course offers seminars, interactive activities, and assessments aimed at establishing a baseline understanding of public health necessary for higher level and integrative learning in subsequent public health courses.

0101	Danielle Catona **Meets September 2, 2025 - October 17, 2025** M 6:30pm - 8:30pm Class time/details on ELMs	Seats (Total: 90) SPH 1312 ONLINE
PLB1	Danielle Catona **Meets October 22, 2025 - December 8, 2025** Class time/details on ELMs *Must be in Behavioral and Community Health, Online. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.*	Seats (Total: 17) ONLINE
PLH1	Danielle Catona **Meets October 22, 2025 - December 8, 2025** Class time/details on ELMs *Must be in Public Health Practice and Policy, Online. Golden ID students are not eligible for this section.*	Seats (Total: 27) ONLINE
PLK1	Danielle Catona **Meets October 22, 2025 - December 8, 2025** Class time/details on ELMs *Must be in Physical Activity, Online (MPH). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.*	Seats (Total: 6) ONLINE

SPHL602 **Foundations of Epidemiology and Biostatistics**

Credits: 4 Grading Method: Regular

Recommended: Recommend SPHL603 as a co-requisite course. Restriction: Must be a graduate student within the School of Public Health. Credit only granted for: SPHL602 or EPIB610 and EPIB650.

An introduction to conceptual and practical tools from epidemiology and biostatistics that are necessary for the study of public health problems. Students learn epidemiologic concepts and methods, and basic statistical concepts and procedures used in public health research through applications, hands-on experience, and interpretations of statistical findings.

0101	Jamie Trevitt	Seats (Total: 94)	
	W 4:30pm - 6:15pm Class time/details on ELMs	SPH 1312 ONLINE	
PLB1	Jamie Trevitt	Seats (Total: 17)	
	Class time/details on ELMs	ONLINE	
	Must be in Behavioral and Community Health, Online. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.		
PLH1	Jamie Trevitt	Seats (Total: 27)	
	Class time/details on ELMs	ONLINE	
	Must be in Public Health Practice and Policy, Online. Golden ID students are not eligible for this section.		
PLK1	Jamie Trevitt	Seats (Total: 5)	
	Class time/details on ELMs	ONLINE	
	Must be in Physical Activity, Online (MPH). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.		

SPHL603 Public Health Data Laboratory

Credits: 1 Grading Method: Regular

Corequisite: SPHL602. Restriction: Must be a graduate student within the School of Public Health.

An introduction to the statistical software necessary to implement the epidemiology and biostatistics concepts covered in the course EPIB 602, Foundations of Epidemiology and Biostatistics through hands-on exercises.

0101	Aaron Blakney, Jamie Trevitt	Seats (Total: 24)	
	W 6:30pm - 7:30pm Class time/details on ELMs	SPH 0302 ONLINE	Lab Lab
0102	Megan Hill, Jamie Trevitt	Seats (Total: 24)	
	W 6:30pm - 7:30pm Class time/details on ELMs	SPH 0308 ONLINE	Lab Lab

PLB1	Jamie Trevitt	Seats (Total: 17)	
	Class time/details on ELMs	ONLINE	Lab
	Must be in Behavioral and Community Health, Online. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.		
PLH1	Jamie Trevitt	Seats (Total: 27)	
	Class time/details on ELMs	ONLINE	Lab
	Must be in Public Health Practice and Policy, Online. Golden ID students are not eligible for this section.		
PLK1	Jamie Trevitt	Seats (Total: 5)	
	Class time/details on ELMs	ONLINE	Lab
	Must be in Physical Activity, Online (MPH). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.		

SPHL612 **Research Ethics**

Credits: 1 Grading Method: Regular, Audit

Restriction: Must be a graduate student in the School of Public Health. Credit only granted for: EPIB641, KNES689Y or SPHL612. Formerly: EPIB641, KNES689Y.

Overview and discussion of ethical issues that face public health researchers.

0101	James Hagberg	Seats (Total: 12)	
	Meets September 2, 2025 - October 21, 2025		
	F 9:00am - 10:50am	SPH 0301	

SPHL620 **Leadership, Teams, and Coalitions: Policy to Advocacy**

Credits: 2 Grading Method: Regular, Audit

Prerequisite: Must have completed SPHL610. Restriction: Must be a graduate student in the School of Public Health.

Students learn team building, leadership, and advocacy skills through the development and presentation of a policy brief on an urgent public health issue. The class will use a combination of brief lectures, discussions, and planned activities on how to develop a policy briefing. Students will have an inter-professional experience during which they will discuss possible approaches to developing policies on their public health issues while practicing team building skills. Class will culminate with presentation of policy briefs through a persuasive advocacy speech.

0101	Danielle Catona M 6:45pm - 8:45pm Class time/details on ELMs	Seats (Total: 90) ATL 2400 ONLINE
PLB1	Sherry Maykrantz Class time/details on ELMs *Must be in Behavioral and Community Health, Online. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.*	Seats (Total: 17) ONLINE
PLH1	Sherry Maykrantz Class time/details on ELMs *Must be in Public Health Practice and Policy, Online. Golden ID students are not eligible for this section.*	Seats (Total: 27) ONLINE
PLK1	Sherry Maykrantz Class time/details on ELMs *Must be in Physical Activity, Online (MPH). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.*	Seats (Total: 6) ONLINE

STAT Statistics and Probability Fall 2025

STAT100 **Elementary Statistics and Probability**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: MS	General Education: FSAR, FSMA

Prerequisite: MATH107, MATH113, or MATH115 with a C- or better; or permission of CMNS-Mathematics department; or must have math eligibility of STAT100 or higher and math eligibility is based on the Math Placement Exam or the successful completion of Math 003 with appropriate eligibility. Restriction: Must not have completed MATH111; or must not have completed any STAT course with a prerequisite of MATH141. Cross-listed with: DATA100. Credit only granted for: DATA100 or STAT100.

Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0111	Matthew Griffin MWF 11:00am - 11:50am M 9:30am - 10:45am	Seats (Total: 28) ESJ 0224 PHY 4206	 Discussion

0112	Matthew Griffin MWF 11:00am - 11:50am M 12:30pm - 1:45pm	Seats (Total: 27) ESJ 0224 PHY 4206	Discussion
0121	Matthew Griffin MWF 11:00am - 11:50am Tu 9:30am - 10:45am	Seats (Total: 27) ESJ 0224 PHY 4206	Discussion
0122	Matthew Griffin MWF 11:00am - 11:50am Tu 11:00am - 12:15pm	Seats (Total: 27) ESJ 0224 PHY 4206	Discussion
0123	Matthew Griffin MWF 11:00am - 11:50am Tu 12:30pm - 1:45pm	Seats (Total: 27) ESJ 0224 PHY 4206	Discussion
0124	Matthew Griffin MWF 11:00am - 11:50am Tu 2:00pm - 3:15pm	Seats (Total: 28) ESJ 0224 PHY 4206	Discussion
0131	Matthew Griffin MWF 11:00am - 11:50am W 9:30am - 10:45am	Seats (Total: 27) ESJ 0224 PHY 4206	Discussion
0141	Matthew Griffin MWF 11:00am - 11:50am Th 9:30am - 10:45am	Seats (Total: 27) ESJ 0224 PHY 4206	Discussion
0142	Matthew Griffin MWF 11:00am - 11:50am Th 11:00am - 12:15pm	Seats (Total: 27) ESJ 0224 PHY 4206	Discussion
0211	Matthew Griffin MWF 12:00pm - 12:50pm M 9:30am - 10:45am	Seats (Total: 28) ESJ 0202 PHY 4206	Discussion
0212	Matthew Griffin MWF 12:00pm - 12:50pm M 2:00pm - 3:15pm	Seats (Total: 27) ESJ 0202 PHY 4206	Discussion

0221	Matthew Griffin MWF 12:00pm - 12:50pm Tu 9:30am - 10:45am	Seats (Total: 28) ESJ 0202 ANS 0412	Discussion
0222	Matthew Griffin MWF 12:00pm - 12:50pm Tu 11:00am - 12:15pm	Seats (Total: 27) ESJ 0202 PHY 4206	Discussion
0223	Matthew Griffin MWF 12:00pm - 12:50pm Tu 12:30pm - 1:45pm	Seats (Total: 27) ESJ 0202 MTH 0105	Discussion
0224	Matthew Griffin MWF 12:00pm - 12:50pm Tu 2:00pm - 3:15pm	Seats (Total: 30) ESJ 0202 CHE 2136	Discussion
0231	Matthew Griffin MWF 12:00pm - 12:50pm W 9:30am - 10:45am	Seats (Total: 27) ESJ 0202 PHY 4206	Discussion
0241	Matthew Griffin MWF 12:00pm - 12:50pm Th 9:30am - 10:45am	Seats (Total: 27) ESJ 0202 PHY 4206	Discussion
0242	Matthew Griffin MWF 12:00pm - 12:50pm Th 11:00am - 12:15pm	Seats (Total: 27) ESJ 0202 PHY 4206	Discussion
0311	Archana Khurana MWF 2:00pm - 2:50pm M 11:00am - 12:15pm	Seats (Total: 29) ESJ 0202 MTH 0401	Discussion
0312	Archana Khurana MWF 2:00pm - 2:50pm M 12:30pm - 1:45pm	Seats (Total: 29) ESJ 0202 MTH 0401	Discussion
0321	Archana Khurana MWF 2:00pm - 2:50pm W 9:30am - 10:45am	Seats (Total: 29) ESJ 0202 MTH 0401	Discussion

0322	Archana Khurana MWF 2:00pm - 2:50pm W 11:00am - 12:15pm	Seats (Total: 29) ESJ 0202 MTH 0401	Discussion
0323	Archana Khurana MWF 2:00pm - 2:50pm W 12:30pm - 1:45pm	Seats (Total: 29) ESJ 0202 MTH 0401	Discussion
0341	Archana Khurana MWF 2:00pm - 2:50pm M 9:30am - 10:45am	Seats (Total: 29) ESJ 0202 MTH 0401	Discussion
FC01	Matthew Griffin MW 3:00pm - 4:15pm Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 34) SQH 1120 MTH 0101	Discussion
FC02	Matthew Griffin MW 3:00pm - 4:15pm Th 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 34) SQH 1120 MTH 0101	Discussion

STAT110 **Applications of R for Data Science**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: DATA100, STAT100, MATH135, or any 400-level STAT course. Cross-listed with: DATA110. Credit only granted for: STAT110 or DATA110.

Intended to prepare students for subsequent courses requiring computation with R, providing powerful and easy to use tools for statistical data analysis. Covers basics of R and R Studio including file handling, data simulation, graphical displays, vector and function operations, probability distributions, and inferential techniques for data analysis.

0101	Susan Mazzullo **Meets September 2, 2025 - October 20, 2025** Class time/details on ELMs	Seats (Total: 250) ONLINE

STAT386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Must have learning proposal approved by the CMNS-Mathematics Department.

2801	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)	
3903	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)	
5001	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)	

STAT400 **Applied Probability and Statistics I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH131, MATH141); or students who have taken courses with comparable content may contact the department. Cross-listed with: DATA400. Credit only granted for: DATA400, ENEE324, or STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC.

Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0111	Hatice Sahinoglu MWF 12:00pm - 12:50pm Tu 1:00pm - 1:50pm	Seats (Total: 27) HJP 0226 MTH 0104	Discussion
0112	Hatice Sahinoglu MWF 12:00pm - 12:50pm Tu 1:00pm - 1:50pm	Seats (Total: 27) HJP 0226 MTH 0401	Discussion
0121	Hatice Sahinoglu MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 27) HJP 0226 MTH 0104	Discussion
0122	Hatice Sahinoglu MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 27) HJP 0226 MTH 0401	Discussion
0131	Hatice Sahinoglu MWF 12:00pm - 12:50pm Tu 3:00pm - 3:50pm	Seats (Total: 27) HJP 0226 MTH 0104	Discussion
0132	Hatice Sahinoglu MWF 12:00pm - 12:50pm Tu 3:00pm - 3:50pm	Seats (Total: 27) HJP 0226 MTH 0401	Discussion

0211	Hatice Sahinoglu MWF 1:00pm - 1:50pm M 9:00am - 9:50am	Seats (Total: 27) HJP 0226 MTH B0427	Discussion
0212	Hatice Sahinoglu MWF 1:00pm - 1:50pm M 9:00am - 9:50am	Seats (Total: 27) HJP 0226 MTH 0304	Discussion
0221	Hatice Sahinoglu MWF 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 27) HJP 0226 MTH B0427	Discussion
0222	Hatice Sahinoglu MWF 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 27) HJP 0226 MTH 0304	Discussion
0231	Hatice Sahinoglu MWF 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 27) HJP 0226 MTH B0427	Discussion
0232	Hatice Sahinoglu MWF 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 27) HJP 0226 MTH 0304	Discussion
0311	David Pincus TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 30) PHY 1412 PHY 2214	Discussion
0312	David Pincus TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 30) PHY 1412 MTH B0423	Discussion
0321	David Pincus TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 2214	Discussion
0322	David Pincus TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 30) PHY 1412 MTH B0423	Discussion

0331	David Pincus TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 31) PHY 1412 PHY 2214	Discussion
0332	David Pincus TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 30) PHY 1412 MTH B0423	Discussion
0511	Shixin Zheng TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 30) ARM 0126 MTH 0106	Discussion
0512	Shixin Zheng TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 30) ARM 0126 MTH 0303	Discussion
0521	Shixin Zheng TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 30) ARM 0126 MTH 0106	Discussion
0522	Shixin Zheng TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 30) ARM 0126 MTH 0303	Discussion
0531	Shixin Zheng TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 30) ARM 0126 MTH 0106	Discussion
0532	Shixin Zheng TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 30) ARM 0126 MTH 0306	Discussion

STAT401 **Applied Probability and Statistics II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (STAT400, STAT410). Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC.

Point estimation - unbiased and consistent estimators. Interval estimation. Minimum variance and maximum likelihood estimators. Testing of hypotheses. Regression, correlation and analysis of variance. Sampling distributions. Elements of non-parametric methods.

0111	Archana Khurana MWF 12:00pm - 12:50pm Th 8:00am - 8:50am	Seats (Total: 30) KEB 1110 PHY 2208	Discussion
0112	Archana Khurana MWF 12:00pm - 12:50pm Th 9:00am - 9:50am	Seats (Total: 30) KEB 1110 PHY 2208	Discussion
0113	Archana Khurana MWF 12:00pm - 12:50pm Th 10:00am - 10:50am	Seats (Total: 30) KEB 1110 PHY 2208	Discussion
0211	Kyeongwon Lee TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 29) ARM 0126 MTH 0409	Discussion
0212	Kyeongwon Lee TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 29) ARM 0126 MTH 0409	Discussion
0213	Kyeongwon Lee TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 29) ARM 0126 MTH 0409	Discussion

STAT410 **Introduction to Probability Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and 1 course with a minimum grade of C- from (MATH340, MATH241). Cross-listed with: SURV410. Credit only granted for: STAT410 or SURV410.

Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments. Characteristic functions. Limit theorems.

0101	Anna Szczekutowicz MWF 10:00am - 10:50am	Seats (Total: 35) PHY 2213	
0201	Archana Khurana MWF 10:00am - 10:50am	Seats (Total: 35) MTH 0303	
0301	Kendall Williams MWF 2:00pm - 2:50pm	Seats (Total: 35) MTH 0201	

0501	Yu Gu TuTh 11:00am - 12:15pm	Seats (Total: 35) PHY 2213
0601	Mestiyage Gunatilleka TuTh 2:00pm - 3:15pm	Seats (Total: 35) PHY 2211
0701	Kyeongwon Lee TuTh 2:00pm - 3:15pm	Seats (Total: 35) MTH B0421

STAT420 **Theory and Methods of Statistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (SURV410, STAT410); and a minimum grade of C- from (MATH410). Cross-listed with: SURV420. Credit only granted for: STAT420 or SURV420.

Point estimation, sufficiency, completeness, Cramer-Rao inequality, maximum likelihood. Confidence intervals for parameters of normal distribution. Hypothesis testing, most powerful tests, likelihood ratio tests. Chi-square tests, analysis of variance, regression, correlation. Nonparametric methods.

0101	Joan Ren TuTh 11:00am - 12:15pm	Seats (Total: 35) JMP 1202
0201	Takumi Saegusa MW 3:30pm - 4:45pm	Seats (Total: 32) PHY 2208

STAT426 **Introduction to Data Science and Machine Learning**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in MATH241 or MATH340; and minimum grade of C- in MATH240, MATH461 or MATH341; and minimum grade of C- in STAT400 or STAT410; students who have taken courses with content comparable to STAT400/410 may request permission of the instructor. Credit only granted for: STAT426 or CMSC320.

An introductory course to the recent developments in the fields of data science and machine learning. Emphasis will be given to mathematical and statistical understanding of commonly used methods and processes.

0101	Jonathan Fernandes MWF 10:00am - 10:50am	Seats (Total: 33) MTH 0306

STAT430 **Introduction to Statistical Computing with SAS**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (STAT400, STAT410); and must have completed or be concurrently enrolled in STAT401 or STAT420; students who do not meet the STAT401 or STAT420 requirement but who have taken a statistics course may contact the math department to confirm eligibility.

Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.

0101	Timothy Pilachowski MWF 11:00am - 11:50am	Seats (Total: 35) PHY 1402
0201	Natalia Tchetcherina MWF 12:00pm - 12:50pm	Seats (Total: 30) BPS 1228
0301	Timothy Pilachowski MWF 1:00pm - 1:50pm	Seats (Total: 34) MTH 0201
0401	Natalia Tchetcherina MWF 10:00am - 10:50am	Seats (Total: 30) EGR 1104
0501	Christine Nickel TuTh 5:00pm - 6:15pm	Seats (Total: 35) PHY 2214

STAT440 **Sampling Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (STAT401, STAT420). Credit only granted for: STAT440 or SURV440.

Simple random sampling. Sampling for proportions. Estimation of sample size. Sampling with varying probabilities. Sampling: stratified, systematic, cluster, double, sequential, incomplete.

0101	Natalia Tchetcherina MWF 1:00pm - 1:50pm	Seats (Total: 28) BPS 1228
0201	Eric Slud TuTh 12:30pm - 1:45pm	Seats (Total: 35) CHE 2136

STAT464 **Introduction to Biostatistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH120, MATH136, or MATH140);. Restriction: Junior standing or higher. Credit only granted for: BIOE372 or STAT464. Additional information: Not acceptable toward degrees in MATH/STAT.

Probabilistic models. Sampling. Some applications of probability in genetics. Experimental designs. Estimation of effects of treatments. Comparative experiments. Fisher-Irwin test. Wilcoxon tests for paired comparisons.

0101	Raluca Rosca	Seats (Total: 30)
	MWF 2:00pm - 2:50pm	MTH 0105

STAT470 **Actuarial Mathematics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (STAT400 or STAT410); and 1 course with a minimum grade of C- from (MATH340, MATH241). Recommended: STAT400.

Major mathematical ideas involved in calculation of life insurance premiums, including compound interest and present valuation of future income streams; probability distribution and expected values derived from life tables; the interpolation of probability distributions from values estimated at one-year multiples; the 'Law of Large Numbers' describing the regular probabilistic behavior of large populations of independent individuals; and the detailed calculation of expected present values arising in insurance problems.

0201	Matthew Griffin	Seats (Total: 40)
	MWF 2:00pm - 2:50pm	PHY 2106

STAT498A **Selected Topics in Statistics**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduate students will be offered occasionally under the general guidance of the MATH/STAT major committee. Students register for reading in statistics under this number.

Contact department for information to register for this course.

STAT600 **Probability Theory I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: STAT410.

Probability space; distribution functions and densities; Poissson limit theoreom; de Moivre-Laplace theorem; measure-theoretic definition of expectation; classification of measures on R; convergence of random variables; Radon-Nikodym theorem;LP spaces; conditional probabilities; independence of events, sigma-algebras and random variables; Bayes' theo rem; pi-systems and Dynkin systems; discrete Markov chains; random walks; gambler's ruin problem; Markov chains on a general phase space; Borel-cantelli lemmas; Kolmogorov inequality; three series theorem; laws of large numbers.

0101	Arka Adhikari	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	MTH 0409

STAT689 **Research Interactions in Statistics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.

Contact department for information to register for this course.

STAT700 **Mathematical Statistics I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: STAT410; or students who have taken courses with comparable content may contact the department.

Sampling distributions including noncentral chi-squared, t, F. Exponential families, completeness. Sufficiency, factorization, likelihood ratio. Decision theory, Bayesian methods, minimax principle. Point estimation. Lehmann-Scheffe and Cramer-Rao theorems. Set estimation.

Offered fall only.

0101	Takumi Saegusa	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	EGR 3102

STAT702 **Survival Analysis**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: STAT410 and STAT420; or students who have taken courses with comparable content may contact the department; or permission of instructor.

Concepts/definitions of survival functions, hazard rate or hazard function, cumulative hazard functions, mean residual life, inversion formulas; Parametric models: exponential distribution, Weibull distribution; Censored/incomplete data and real data examples; right censored data, doubly censored data, interval censored data, truncated data; Nonparametric maximal likelihood estimator for the lifetime distribution under different types of censoring (e.g., Kaplan-Meier estimator), self-consistency estimators, the EM algorithm, applications of the empirical likelihood; Semiparametric models: accelerated lifetime model, proportional hazard model, the Cox model; Goodness of fit tests and diagnostic methods for model checking.

0101	Joan Ren	Seats (Total: 20)
	TuTh 9:30am - 10:45am	MTH 1311

STAT705 Computational Statistics

Credits: 3 Grading Method: Regular, Audit

Prerequisite: STAT700 or STAT420. Recommended: Have some programming experience (any language). Credit only granted for: STAT705 or STAT798C. Formerly: STAT798C.

Modern methods of computational statistics and their application to both practical problems and research. S-Plus and SAS programming with emphasis on S-Plus. S-Plus objects and functions, and SAS procedures. Topics include data management and graphics, Monte Carlo and simulation, bootstrapping, numerical optimization in statistics, linear and generalized linear models, nonparametric regression, time series analysis.

0101	Vincent Lyzinski	Seats (Total: 22)
	TuTh 12:30pm - 1:45pm	MTH 1311

STAT740 Linear Statistical Models I

Credits: 3 Grading Method: Regular, Audit

Prerequisite: STAT700 or STAT420.

Least squares, general linear models, estimability and Gauss-Markov theorem. Simple and multiple linear regression, analysis of residuals and diagnostics, polynomial models, variable selection. Qualitative predictors, one and two way analysis of variance, multiple comparisons, analysis of covariance. Nonlinear least squares. High-level statistical computer software will be used for data analysis throughout the course.

0101	Yun Yang	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	EGR 3114

STAT799 Master's Thesis Research

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

STAT808A Selected Topics in Probability

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

Contact department for information to register for this course.

STAT818A **Selected Topics in Statistics**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics of current interest.

Contact department for information to register for this course.

STAT818T **Selected Topics in Statistics; Introduction to Statistical Physics**

Credits: 1-3 Grading Method: Regular, Audit, Sat-Fail

Advanced topics of current interest.

0101	Ron Peled	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	EGR 1110

STAT898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

STAT899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

SURV Survey and Data Science Fall 2025

SURV400 **Fundamentals of Survey and Data Science**

Credits: 3 Grading Method: Regular

Prerequisite: STAT100; or permission of BSOS-Joint Program in Survey Methodology department. Restriction: Course open to SURV certificate students, SURV Advanced Special Students, and SURV undergraduate minors. Graduate students from other departments may enroll with permission from the department. Credit only granted for: SURV699M, SDSB340 or SURV400. Formerly: SURV699M.

The course introduces the student to a set of principles of survey and data science that are the basis of standard practices in these fields. The course exposes the student to key terminology and concepts of collecting and analyzing data from surveys and other data sources to gain insights and to test hypotheses about the nature of human and social behavior and interaction. It will also present a framework that will allow the student to evaluate the influence of different error sources on the quality of data.

0101	Jacob Coutts	Seats (Total: 40)
	MW 3:30pm - 4:45pm	TYD 2111

PLS1	Ruben Bach	Seats (Total: 20)
	Meets September 3, 2025 - December 3, 2025	
	W 11:00am - 12:00pm	ONLINE
	Class time/details on ELMs	ONLINE
	Note that this course does not cover developing interview guidelines for semi- and unstructured interviews in qualitative studies. Golden ID students are not eligible for this section. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings.	

SURV410 **Introduction to Probability Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and 1 course with a minimum grade of C- from (MATH340, MATH241). Cross-listed with: STAT410. Credit only granted for: STAT410 or SURV410.

Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments. Characteristic functions. Limit theorems.

0101	Anna Szczekutowicz	Seats (Total: 35)
	MWF 10:00am - 10:50am	PHY 2213
0201	Archana Khurana	Seats (Total: 35)
	MWF 10:00am - 10:50am	MTH 0303
0301	Kendall Williams	Seats (Total: 35)
	MWF 2:00pm - 2:50pm	MTH 0201
0501	Yu Gu	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	PHY 2213
0601	Mestiyage Gunatilleka	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	PHY 2211

SURV612 **Ethical Considerations for Data Science Research**

Credits: 1 Grading Method: Regular, Audit

Credit only granted for: SURV699A or SURV612. Formerly: SURV699A.

The goal of research ethics is to protect human subjects from harm when they participate in a study. In the digital age, however, what constitutes "participation" has become blurry, especially with the rise of social media platforms and other online apps and services. Furthermore, new applications of big data raise important questions about how to protect consumers from harms, and what kinds of notice and consent should be obtained. This course provides an introduction and overview of research ethics in the 21st century and evaluates the many challenges to conducting ethical research.

PLS1	Jessica Vitak	Seats (Total: 20)
	Meets September 3, 2025 - September 24, 2025	
	W 1:00pm - 2:00pm	ONLINE
	Class time/details on ELMs	ONLINE
	Golden ID students are not eligible for this section. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings.	

SURV615 **Statistical Modeling and Machine Learning I**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have basic R Programming skills; and must have completed a two course sequence in probability and statistics; or students who have comparable content may contact the department for permission. Restriction: Must be in Survey Methodology (Master's) program; or permission of instructor.

This is the first course in a two-term sequence in applied statistical methods and machine learning that are the basis in handling complex datasets. The topics covered include: overview on the quantitative research, linear regression, analysis of variance, inference, prediction, model diagnostics and selection and resampling methods. The emphasis will be to understand and apply the methods.

Runs concurrently with the University of Michigan course.

0101	Sunghee Lee, Henning Silber	Seats (Total: 20)
	Meets August 26, 2025 - December 12, 2025	
	Tu 2:30pm - 5:00pm	LEF 1208
PCA1	Henning Silber, Sunghee Lee	Seats (Total: 10)
	Meets August 26, 2025 - December 12, 2025	
	Tu 2:30pm - 5:00pm	LEF 1208
	Must be in the Applied Political Analysis (MS) program. Golden ID students are not eligible for this section.	

SURV617 **Applications of Statistical Modeling**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: SURV615 and SURV616; or permission of instructor. Credit only granted for: SURV617, SURV746, or SURV699R. Formerly: SURV699R and SURV746.

Designed for students on both the social science and statistical tracks for the two programs in survey methodology, will provide students with exposure to applications of more advanced statistical modeling tools for both substantive and methodological investigations that are not fully covered in other MPSM or JPSM courses. Modeling techniques to be covered include multilevel modeling (with an application to methodological studies of interviewer effects), structural equation modeling (with an application of latent class models to methodological studies of measurement error), classification trees (with an application to prediction of response propensity), and alternative models for longitudinal data (with an application to panel survey data from the Health and Retirement Study). Discussions and examples of each modeling technique will be supplemented with methods for appropriately handling complex sample designs when fitting the models. The class will focus on practical applications and software rather than extensive theoretical discussions.

0101	John Kubale, Brady West	Seats (Total: 20)
	Meets August 26, 2025 - December 12, 2025	
	Tu 9:30am - 12:00pm	LEF 2208

SURV621 **Fundamentals of Data Collection I**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of BSOS-Joint Program in Survey Methodology department.

First semester of a two-semester sequence that provides a broad overview of the processes that generate data for use in social science research. Students will gain an understanding of different types of data and how they are created, as well as their relative strengths and weaknesses. A key distinction is drawn between data that are designed, primarily survey data, and those that are found, such as administrative records, remnants of online transactions, and social media content. The course combines lectures, supplemented with assigned readings, and practical exercises. In the first semester, the focus will be on the error that is inherent in data, specifically errors of representation and errors of measurement, whether the data are designed or found. The psychological origins of survey responses are examined as a way to understand the measurement error that is inherent in answers. The effects of the mode of data collection (e.g., mobile web versus telephone interview) on survey responses also are examined.

Runs concurrently with the University of Michigan course.

0101	Frederick Conrad, Christopher Antoun	Seats (Total: 25)
	Meets August 25, 2025 - December 12, 2025	
	M 1:00pm - 4:00pm	LEF 1208

SURV626 **Sampling**

(Perm req) Credits: 2 Grading Method: Regular, Audit

Prerequisite: Permission of BSOS-Joint Program in Survey Methodology department; and must have taken at least a graduate level statistics course or an undergraduate level advanced statistics course.

Practical aspects of sample design. The course will cover the main techniques used in sampling practice: simple random sampling, stratification, systematic selection, cluster sampling, multistage sampling, and probability proportional to size sampling. The course will also cover sampling frames, cost models, and sampling error (variance) estimation techniques.

PLS1	Raphael Nishimura **Meets September 25, 2025 - November 13, 2025** Th 12:00pm - 1:00pm Class time/details on ELMs *Students must have access to a standalone web camera and a headset to participate in the weekly online meetings. Golden ID students are not eligible for this section.*	Seats (Total: 15) ONLINE ONLINE
PLS2	Raphael Nishimura **Meets September 24, 2025 - November 12, 2025** W 12:00pm - 1:00pm Class time/details on ELMs *Students must have access to a standalone web camera and a headset to participate in the weekly online meetings. Golden ID students are not eligible for this section.*	Seats (Total: 15) ONLINE ONLINE

SURV627 Experimental Design and Causal Inference

(Perm req) Credits: 2 Grading Method: Regular, Audit

Prerequisite: Basic knowledge of data analysis. Familiarity with the R programming language and the RStudio IDE. Recommended: Experience in the use of SAS or STATA statistical analysis software. Restriction: Permission of BSOS-Joint Program in Survey Methodology department.

Many of the questions we are interested in as researchers and practitioners are of a causal nature. We act upon the world; how can we tell if our actions have impact? How can we decide if an intervention would get us closer to our goals? In this course, we introduce the basic concepts from causal inference and econometrics, and show what makes a valid causal claim, and what would undo it. We then demonstrate how experiments can be used to evaluate causal hypotheses, and what options are available to conduct experiments in practice. Having discussed experimental data collection, we turn to the analysis of experiments, show how this, again, is linked to the logic of causal inference, and how to work with experimental data. We discuss how to design studies so that statistical inferences are informative and reliable. Next, we cover situations in which experiments might not be possible, and show how these can be addressed through study design ex ante and ex post through analysis.

PLS1	Stephanie Coffey	Seats (Total: 15)
	Meets August 26, 2025 - October 14, 2025	
	Tu 8:00am - 9:00am	ONLINE
	Class time/details on ELMs	ONLINE
	Golden ID students are not eligible for this section. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings.	

SURV632 **Cognition, Communication and Survey Measurement**

Credits: 3 Grading Method: Regular, Audit

Major sources of survey error-such as reporting errors and nonresponse bias-from the perspective of social and cognitive psychology and related disciplines. Topics: psychology of memory and its bearing on classical survey issues (e.g., underreporting and telescoping); models of language use and their implications for the interpretation and misinterpretation of survey questions; and studies of attitudes, attitude change, and their possible application to increasing response rates and improving the measurement of opinions. Theories and findings from the social and behavioral sciences will be explored.

Restricted to SURV majors only.

0101	Aaron Maitland	Seats (Total: 15)
	Meets August 27, 2025 - December 12, 2025	
	W 9:00am - 11:45am	LEF 1208

SURV665 **Introduction to Real World Data Management**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Restriction: Permission of BSOS-Joint Program in Survey Methodology department.

Data is omnipresent in the contemporary world coming in different shapes and sized: from survey data to found data. In order to make use of such data through analysis it is necessary first to import and clean it. This is often one of the most time consuming and difficult parts of data analysis. In this course you will learn both the conceptual steps needed in preparing data for analysis as well as the practical skills to do this. The course will cover all the essential skills needed to prepare data be it survey data, administrative data or found data.

Basic knowledge of R and prior experience working with data is required for success in this course.

PLS1	Alexandru Cernat	Seats (Total: 15)
	Meets September 29, 2025 - November 17, 2025	
	M 11:00am - 12:00pm	ONLINE
	Class time/details on ELMs	ONLINE
	Golden ID students are not eligible for this section. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings. In week 5, the online lecture will meet 12:00 - 1:00 pm.	

SURV667 **Introduction to Record Linkage with Big Data Applications**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Prerequisite: Basic statistical concepts; and intermediate knowledge of R. Recommended: Familiarity with regular expressions, the R packages ggplot2 and tidyverse. Restriction: Permission of BSOS-Joint Program in Survey Methodology department.

Methods to combine data on given entities (people, households, firms etc.) that are stored in different data sources. By showing the strengths of these methods and by showing how each of them are performed in practice using R, the course will demonstrate the various benefits of record linkage. Participants will also learn about potential challenges that record linkage projects may face.

PLS1	Fiona Draxler	Seats (Total: 15)
	Meets September 9, 2025 - October 28, 2025	
	Tu 10:00am - 11:00am	ONLINE
	Golden ID students are not eligible for this section. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings.	

SURV673 **Introduction to Python and SQL**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Recommended: Background knowledge in programming in Python and SQL structures.

Basics of Python and SQL for data analysis.Students will explore real publicly-available datasets, using the data analysis toolsin Python to create summaries and generate visualizations. Students will learn thebasics of database management and organization, as well as learn how to code inSQL and work with PostgreSQL databases. By the end of the class, students shouldunderstand how to read in data from CSV files or from the internet and becomfortable using either SQL or Python to aggregate, summarize, describe, andvisualize these datasets.

Contact department for information to register for this course.

SURV699 **Special Topics in Survey Methodology; Reading in Survey Methodology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on specialized advanced topics in survey methodology.

0101	Partha Lahiri Contact instructor or department for details.	Seats (Total: 10)
0301	Stanley Presser Contact instructor or department for details.	Seats (Total: 10)
0401	Frauke Kreuter Contact instructor or department for details.	Seats (Total: 2)

SURV720 **Total Survey Error and Data Quality I**

(Perm req)

Credits: 2 Grading Method: Regular, Audit

Prerequisite: SURV625. Restriction: Permission of instructor. Credit only granted for: (SURV720 and SURV721) or SURV723. Formerly: SURV723.

Total error structure of sample survey data, reviewing current research findings on the magnitudes of different error sources, design features that affect their magnitudes, and interrelationships among the errors. Coverage, nonresponse, sampling, measurement, and postsurvey processing errors. For each error source reviewed, social science theories about its causes and statistical models estimating the error source are described. Empirical studies from the survey methodological literature are reviewed to illustrate the relative magnitudes of error in different designs. Emphasis on aspects of the survey design necessary to estimate different error sources. Relationships to show how attempts to control one error source may increase another source. Attempts to model total survey error will be presented.

Runs concurrently with the University of Michigan course.

0101	Sharan Sharma **Meets August 25, 2025 - December 12, 2025** M 10:20am - 12:15pm	Seats (Total: 20) LEF 1208

SURV726 **Multiple Imputation**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Prerequisite: Be comfortable with generalized linear models and basic probability theory through coursework or work experience; and familiarity with the statistical software R; and must have completed Surv 725 Item Nonresponse and Imputation or be familiar with the content through relevant work experience. Restriction: Permission of BSOS-Joint Program in Survey Methodology department.

This course will provide a detailed introduction to multiple imputation, a convenient strategy for dealing with (item) nonresponse in surveys. We will motivate the concept and illustrate why multiple imputation should generally be preferred over single imputation methods. The main focus of the course will be on strategies to generate (multiple) imputations and how to deal with common problems when applying the methods for large scale surveys. We will also discuss various options for assessing the quality of the imputations. All concepts will be demonstrated using software illustrations in R.

PLS1	Joerg Drechsler	Seats (Total: 15)
	Meets November 18, 2025 - December 9, 2025	
	Tu 11:00am - 12:00pm	ONLINE
	Class time/details on ELMs	ONLINE
	Golden ID students are not eligible for this section. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings.	

SURV727 Fundamentals of Computing and Data Display

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major within the BSOS-Joint Program in Survey Methodology department; or permission of BSOS-Joint Program in Survey Methodology department. Additional information: Students without any R knowledge are encouraged to work through one or more R web tutorials prior or during the first weeks of the course.

The first part of this course provides an introduction to web scraping and APIs for gathering data from the web and then discusses how to store and manage (big) data from diverse sources efficiently. The second part of the course demonstrates techniques for exploring and finding patterns in (non-standard) data, with a focus on data visualization. The course focuses on R as the primary computing environment, with excursus into SQL and Big Data processing tools.

Runs concurrently with the University of Michigan course.

0101	Brian Kim	Seats (Total: 20)
	Meets August 27, 2025 - December 12, 2025	
	W 1:30pm - 4:00pm	LEF 1208
PCA1	Brian Kim	Seats (Total: 15)
	Meets August 27, 2025 - December 12, 2025	
	W 1:30pm - 4:00pm	LEF 1208
	Must be in the Applied Political Analysis (MS) program. Golden ID students are not eligible for this section.	

SURV740 Fundamentals of Inference

Credits: 3

Grading Method: Regular, Audit

Prerequisite: SURV410 and SURV420; or (SURV615 and SURV616); or permission of Instructor required. Restriction: Must be in a major within the BSOS-Joint Program in Survey Methodology department; or permission of BSOS-Joint Program in Survey Methodology department.

Focuses on the fundamentals of statistical inference in the finite population setting. Overview and review fundamental ideas of making inferences about populations. Basic principles of probability sampling; focus on differences between making predictions and making inferences; explore the differences between randomized study designs and observational studies; consider model-based vs. design-based analytic approaches; review techniques designed to improve efficiency using auxiliary information; and consider non-probability sampling and related inferential techniques.

Runs concurrently with the University of Michigan course.

0101	Yan Li	Seats (Total: 20)
	Meets August 29, 2025 - December 12, 2025	
	F 1:00pm - 4:00pm	LEF 1208

SURV752 **Introduction to Data Visualization**

Credits: 1

Grading Method: Regular, Audit, Sat-Fail

Prerequisite: Basic statistics understanding and bivariate linear regression. Recommended: Experience in the use of statistical software package R. Restriction: Permission of BSOS-Joint Program in Survey Methodology department.

Data visualization is one of the most powerful tools to explore, understand and communicate patterns in quantitative information. At the same time, good data visualization is a surprisingly difficult task and demands three quite different skills: substantive knowledge, statistical skill, and artistic sense. The course is intended to introduce participants to a) key principles of analytic design and useful visualization techniques for the exploration and presentation of univariate and multivariate data. This course is highly applied in nature and emphasizes the practical aspects of data visualization in the social sciences. Students will learn how to evaluate data visualizations based on principles of analytic design, how to construct compelling visualizations using the free statistics software R, and how to explore and present their data with visual methods.

PLS1	Olga Kononykhina	Seats (Total: 20)
	Meets October 1, 2025 - October 22, 2025	
	W 1:00pm - 2:00pm	ONLINE
	Class time/details on ELMs	ONLINE
	Students must have access to a standalone web camera and a headset to participate in the weekly online meetings. Golden ID students are not eligible for this section.	

SURV829 **Doctoral Research Seminar in Survey Methodology**

Credits: 3-6 Grading Method: Sat-Fail

An advanced research seminar for students preparing to do research or take doctoral comprehensive examinations.

0101	Yajuan Si, Katharine Abraham	Seats (Total: 10)
	Meets August 27, 2025 - December 12, 2025	
	W 2:00pm - 4:30pm	LEF 1218

SURV898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

SURV899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

Contact department for information to register for this course.

TDPS Theatre, Dance and Performance Studies Fall 2025

TDPS201 **Introduction to Technical Production**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within the ARHU-Dance department; or must be in a major within the ARHU-Theatre department. Credit only granted for: DANC210 and THET114 or TDPS201. Formerly: DANC210 and THET114.

Students are provided with an overview of topics related to the technical production of theatre and dance including: scenic, prop and costume construction, lighting, sound and video execution and management structures.

Students must pay a $25.00 lab fee.

5501	Michael Driggers	Seats (Total: 25)
	MWF 4:00pm - 4:50pm	PAC 1809

TDPS240 **Arts Organizations and Audiences in the United States**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Cross-listed with: ARHU240. Credit only granted for: TDPS258C, TDSP240 or ARHU240. Formerly: TDPS258C.

An introduction to the history and role of arts organizations in the U.S., as well as the respective audiences and populations they serve. This grounding allows artists and emerging administrators to understand the events and questions that have shaped the field, and develop strategies for advancing sustainable arts organizations in the future.

0101	Ed Spitzberg	Seats (Total: 15)
	Tu 9:30am - 10:45am Th 9:30am - 10:45am	ONLINE PAC 1815

TDPS441 **Arts Entrepreneurship: Theory and Practice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARHU240 or TDPS240; or permission of instructor. Recommended: ARHU440 or TDPS440. Restriction: Limited to 4 undergraduate students (2 in ARHU and 2 in TDPS). Cross-listed with: ARHU441. Jointly offered with: ARHU640, TDPS640. Credit only granted for: TDPS458E, ARHU441, TDPS441, ARHU640 or TDSP640. Formerly: TDPS458E.

Establishes arts entrepreneurship as a unique discipline with the goal of connecting creative initiatives (products, artforms, and programs) to audiences, resources, and communities. Introduces students to the ways in which creative initiatives both create value and offer solutions to social, political, environmental, and cultural issues. Students will develop artist impact statements and identify different contexts and ways to apply their talents and creative initiatives in society.

0101	Kate Keeney	Seats (Total: 2)
	TuTh 11:00am - 12:15pm	PAC 1924

TDPS458D **Special Topics in Advanced Performing Arts; Film as Perfomance**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Designed for performing arts students. Offers instruction at an advanced level in various aspects of performance such as Voice for the Performing Arts, Movement for the Performing Arts, Acting for the Performing Arts, Partner Dance and a myriad of specific aspects within these genres.

Alternating between lecture & creative research on Week A and creative laboratories on Week B. Students must pay a $25 lab fee. A dynamic incubator for performing artists who crave new ways of seeing, making, and understanding their voice via cinema and beyond. Moving beyond conventional filmmaking methods, the course embraces performance, philosophy, research, intuitive storytelling, as well as technical exploration performance for camera, scripting, storyboarding, filming, editing, and beyond. The lens becomes a collaborator, a witness, and an accomplice in the act of process & creation.

5501	Yara Travieso	Seats (Total: 15)
	F 1:00pm - 3:40pm	PAC 3736

TDPS469 **Advanced Practicum in Stage Management**

(Perm req) Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

A graded course in stage management for theatre and/or dance productions. A hands-on laboratory experience.

0101	Jennifer Schwartz Contact instructor or department for details.	Seats (Total: 8)

TDPS479 **Production Practicum**

(Perm req) Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

A graded course in a specified practical aspect of mounting a theatre or dance production. It is a hands-on, purely laboratory experience.

1001	Andrew Cissna Contact instructor or department for details.	Seats (Total: 25)
1002	Andrew Cissna Contact instructor or department for details.	Seats (Total: 15)
1003	Andrew Cissna Contact instructor or department for details.	Seats (Total: 15)
1004	Andrew Cissna Contact instructor or department for details.	Seats (Total: 15)
1005	Andrew Cissna Contact instructor or department for details.	Seats (Total: 60)
1006	Andrew Cissna Contact instructor or department for details.	Seats (Total: 15)
1007	Andrew Cissna Contact instructor or department for details.	Seats (Total: 15)
2001	Andrew Cissna Contact instructor or department for details.	Seats (Total: 15)
2002	Andrew Cissna Contact instructor or department for details.	Seats (Total: 15)
2003	Andrew Cissna Contact instructor or department for details.	Seats (Total: 15)

2004	Andrew Cissna Contact instructor or department for details.	Seats (Total: 15)
2005	Andrew Cissna Contact instructor or department for details.	Seats (Total: 15)
2006	Andrew Cissna Contact instructor or department for details.	Seats (Total: 15)

TDPS640 **Arts Entrepreneurship: Theory and Practice**

Credits: 3 Grading Method: Regular, Audit

Cross-listed with: ARHU640. Credit only granted for: ARHU640, TDPS640, or THET669U. Formerly: THET669U.

Establishes arts entrepreneurship as a unique discipline with the goal of connecting creative initiatives (products, artforms, and programs) to audiences, resources, and communities. Introduces students to the ways in which creative initiatives both create value and offer solutions to social, political, environmental, and cultural issues. Students will develop artist impact statements and identify different contexts and ways to apply their talents and creative initiatives in society.

0101	Kate Keeney TuTh 11:00am - 12:15pm	Seats (Total: 4) PAC 1924

THET Theatre Fall 2025

THET110 **Introduction to the Theatre**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA General Education: DSHU

In the age of pop music and blockbuster films, of memes and viral videos, we often forget that theatre was one of the original forms of popular entertainment. We will focus on theatre practitioners including actors, directors, designers and backstage personnel to understand how theatre is produced. We will also consider popular entertainment in Europe and America, with a particular focus on musical theatre and Broadway to explore how theatre communicates, resonates, and remains relevant to all audiences.

0101	Ryan Nock MWF 11:00am - 11:50am	Seats (Total: 25) SQH 1111
0201	Zainab Jeffrey MWF 12:00pm - 12:50pm	Seats (Total: 25) SQH 1111
0401	Casey Kaleba TuTh 11:00am - 12:15pm	Seats (Total: 50) ONLINE

0501	Eran Eads TuTh 9:00am - 10:15am	Seats (Total: 25) WDS 0104	
0601	Casey Kaleba TuTh 3:00pm - 4:15pm	Seats (Total: 50) ONLINE	
0701	Lindsey Snyder MWF 2:00pm - 2:50pm	Seats (Total: 25) SQH 1111	

THET116 **Fundamentals of Theatrical Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.

Examines theatre as an environmental art that is realized through collaboration between set, costume, and lighting designers.

Students must pay a $25.00 lab fee.

5501	Hannah Kelly, Alondra Santos-Castillo, Katherine Glenn TuTh 3:00pm - 4:50pm Class time/details on ELMs	Seats (Total: 25) PAC 2733 ONLINE	 Lab Lab

THET120 **Introduction to Acting**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must not be in Theatre program.

Through scene study, exercises, and improvisation, an appreciation is developed for the working habits of actors, which will aid them in rehearsal as well as performance.

Enrollment for students with less than 60 credits will be prioritized. For permission email Susan Miller at smille13@umd.edu

5501	Lindsey Snyder MW 10:00am - 11:50am Class time/details on ELMs	Seats (Total: 12) PAC 3730 ONLINE	 Lab Lab

THET222 **Foundations of Acting and Performance**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.

Students will become familiar with the tools and process of acting through the discipline of acting exercises, analyzing character and performing. Students will research various theatre artists that have contributed to the acting process. Through monologue and scene work students will learn listening skills, communicative, collaborative and embodiment skills and will learn how to use the self in the imaginative process and research. And, most importantly, students will learn creative process through practice.

Students must pay a $25.00 lab fee.

5501	KenYatta Rogers	Seats (Total: 14)	
	TuTh 9:30am - 11:20am	PAC 3730	Lab
	Class time/details on ELMs	ONLINE	Lab

THET223 **Text and Context in Western Theatre**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.

Introduction to the analysis and critique of the play script. Students will have the opportunity to read, analyze, and interpret western dramatic literature from a range of periods and styles. Texts are analyzed from a variety of theatrical analytical perspectives, with an eye towards choices theatre artists must make in the creation of a theatrical production.

0101	Erin Steele	Seats (Total: 25)
	MW 10:00am - 11:15am	PAC 1809

THET228A **Special Topics in Introductory Theatre and Performance; Improvisation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

This course is offered as part of the TDPS Artist-in-Residence program. Topics covered may include: Intercultural Theatre; Performance Art; Puppetry; Solo Performance; or Theatrical Design.

5501	Fatima Quander	Seats (Total: 12)	
	TuTh 2:00pm - 3:50pm	PAC 3732	Lab
	Class time/details on ELMs	ONLINE	Lab

THET251 **Broadway Mashup: Remixing America Through Musical Theater**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSHU, DVUP, SCIS

Interrogate musical theater's political history, investigating how this uniquely American genre uses narrative, song, and dance to weave critical differences across race, ethnicity, immigration status, religion, gender, sexuality, and ability into our national fabric.

FC01	Casey Kaleba	Seats (Total: 18)
	TuTh 7:30pm - 8:45pm	PAC 1809
	Restricted to students in Freshmen Connection.	

THET269B **Special Topics in Study Abroad II; The Meaning of Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

THET269T **Special Topics in Study Abroad II; 20th Century and Contemporary Spanish Theatre**

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

THET274 **Introduction to Stage Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: TDPS201; and permission of ARHU-School of Theatre, Dance & Performance Studies department.

Familiarization with the techniques and skills required of a Stage Manager in a theatrical production, including organization, production meetings, rehearsals, tech and running a show. The outcome at the conclusion of the course is the ability to function as an Assistant Stage Manager in a supervised situation.

0101	Jennifer Schwartz	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	PAC 1815

THET284 **Stage Costume Construction I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.

Study and practical experience in garment construction and related costume crafts as used in theatre costume design. Flat pattern development, corset construction, theatrical sewing techniques and organization of the costume construction process.

Students must pay a $25 lab fee

5501	Franklin Labovitz	Seats (Total: 12)
	MW 9:00am - 10:50am	PAC 3749

THET285 **The Art of Communication and Presentation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSOC

Credit only granted for: COMM107, COMM200, INAG110, JOUR130, or THET285.

An introduction to the fundamental practice and theory of public speaking and oral communication using theatrical techniques of both performance and the craft of storytelling.

0101	Courtney Lau MW 3:00pm - 4:15pm	Seats (Total: 25) PAC 3730
0102	Courtney Lau MW 10:00am - 11:15am	Seats (Total: 25) PAC 3736
0103	Robert Smith MW 1:00pm - 2:15pm	Seats (Total: 25) PAC 2740
FC01	Drew Barker TuTh 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) PLS 1113
FC02	Drew Barker TuTh 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) PLS 1113
FC03	Robert Smith MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) JMZ 3205
FC04	Robert Smith MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) JMZ 3205

THET286 **Experiential Learning I**

(Perm req)

Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET222, THET223, and THET116. And THET114; or TDPS201. And permission of ARHU-School of Theatre, Dance & Performance Studies department.

Introductory internship in theatre. Constructed to help students in their sophomore year gain practical experience in a supportive work environment in the theatre. Student must research and propose internship to a Faculty Advisor and Internship Venue.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0210	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0301	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
0401	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
0501	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0601	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
0901	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
1301	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
1501	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
1601	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
1701	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
1801	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

2001	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
2003	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
2005	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
2007	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

THET287 **Subversive Cultures and Performance**

Credits: 3 | Grading Method: Regular, Pass-Fail | General Education: DSHS, SCIS

Credit only granted for: THET289I or THET287. Formerly: THET289I.

Every society has rebels - those who refuse to conform to the mainstream's rigid rules, aesthetics, and beliefs. From unruly skateboarders, punk rockers, bohemian poets, and radical theater performers, to national revolutionary movements and brick-throwing anarchists - such groups form niches that are defined by their exclusion from society. We will look at how their beliefs and actions fit into a particular historical context, and how their actions drive social change.

0102	Lins Derry MW 9:00am - 10:15am	Seats (Total: 30) JMP 1202

THET293 **Black Theatre and Performance I**

Credits: 3 | Grading Method: Regular, Pass-Fail | CORE: HA, D | General Education: DSHU, DSSP, DVUP

Thematic and historical survey of African-American drama from the late nineteenth century to the 1960s. Emphasis on sociopolitical context, thematic thrust, issues, styles, the aesthetic reflected in the work, impact on African-American and general theatre audiences.

0101	Marissa Kennedy TuTh 12:30pm - 1:45pm	Seats (Total: 25) SQH 1111

THET310 **Voice for the Actor I**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET116, THET222, THET223, and TDPS201; and must Interview; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Sophomore standing or higher.

Freeing the natural voice. In-depth experience of connection of actor's voice to thought, impulse and emotion. Tools for releasing tension, increasing resonance and range, and refining articulation will be explored.

Students must pay a $25.00 lab fee.

5501	Lisa Nathans	Seats (Total: 12)	
	TuTh 9:30am - 11:20am	PAC 3736	Lab
	Class time/details on ELMs	ONLINE	Lab

THET340 **Playwriting I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET222, THET223, THET116, and TDPS201. Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department. Credit only granted for: THET340 or THET399P. Formerly: THET399P.

Will introduce students to the art of playwriting through exploratory writing exercises, the reading of successful plays, the development of new short scripts, how to make theatrical choices, and how to use the six elements of storytelling.

5501	Jennifer Newsham	Seats (Total: 12)	
	MW 12:00pm - 1:50pm	PAC 1815	Lab
	Class time/details on ELMs	ONLINE	Lab

THET351 **Musical Theatre I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: THET351 or THET328M. Formerly: THET328M.

An introduction for students interested in developing their skills with musical theatre, specifically the work of the actor interpreting songs and text in musicals. With a primary focus on American Musical Theatre repertoire, students will prepare and present various solo, duet, and group numbers.

Students must pay a $25 lab fee.

5501	Lisa Nathans	Seats (Total: 12)	
	Tu 1:30pm - 4:20pm	PAC 2740	Lab
	Class time/details on ELMs	ONLINE	Lab

THET369L **Special Topics in Study Abroad III; 20th Century and Contemporary Latin American Theatre**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

THET371 **Scenic Design I**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: TDPS201, THET222, THET223, and THET116.

A study of design theory and style. Methods and techniques of coordination of all elements of scenic design for theatre.

5501	Sarah Hall	Seats (Total: 10)	
	MW 3:00pm - 4:50pm	PAC 2733	Lab
	Class time/details on ELMs	ONLINE	Lab

THET380 **Sound Design**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET116 and TDPS201; or permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Sophomore standing or higher.

Theatre Sound Design is a first course in designing sound for stage productions.

Students must pa a $25 lab fee.

5501	Samuel Crawford	Seats (Total: 10)	
	TuTh 10:00am - 11:50am	PAC 2727	Lab
	Class time/details on ELMs	ONLINE	Lab

THET385 **Media Design**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET222, THET223, THET116, and TDPS201; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Credit only granted for: THET399D or THET385. Formerly: THET399D.

Focuses on learning the grammar and conceptual thinking behind multimedia design for live performance. Students will learn how our new multimedia tools can enhance the sense of liveness as well as explore the different ways in which technology can be implemented into preproduction thinking, rehearsal experimenting, and ultimately, effective use in performance.

5501	Alexandra Colburn	Seats (Total: 10)	
	W 2:00pm - 4:50pm	PAC 2727	Lab
	Class time/details on ELMs	ONLINE	Lab

THET386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher; and permission of ARHU-School of Theatre, Dance & Performance Studies department.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	
0201	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	
0301	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	
0401	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	
0501	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	
0601	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	
0801	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	
0901	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	
1101	Misha Kachman	Seats (Total: 5)
	Contact instructor or department for details.	
1301	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	
1501	Lisa Nathans	Seats (Total: 5)
	Contact instructor or department for details.	

1601	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
1701	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
1801	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
2001	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
2002	Instructor: TBA Contact instructor or department for details.	Seats (Total: 3)
2003	Jennifer Schwartz Contact instructor or department for details.	Seats (Total: 5)
2005	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
2007	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
2009	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

THET390 **History of Theatre I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

Prerequisite: Permission of ARHU-School of Theatre, Dance & Performance Studies department.

The history of Western theatre from its origins in classical antiquity through the mid-seventeenth century with emphasis on plays and playwrights, architecture and decor, acting and costuming, and significant personalities. Includes explorations of interrelationships between Western theatre and the theatre of other cultures.

0101	Courtney Lau MW 12:00pm - 1:15pm	Seats (Total: 25) PAC 1809

THET399 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

An independent study in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate in term papers, scenic; lighting, or costume designs; or a stage production.

0102	Samuel Crawford Contact instructor or department for details.	Seats (Total: 5)
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0301	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0401	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0501	Fatima Quander Contact instructor or department for details.	Seats (Total: 5)
0601	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0701	Jennifer Newsham Contact instructor or department for details.	Seats (Total: 5)
0801	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0901	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
1101	Misha Kachman Contact instructor or department for details.	Seats (Total: 5)
1301	Amith Chandrashaker Contact instructor or department for details.	Seats (Total: 5)
1401	Caitlin Marshall Contact instructor or department for details.	Seats (Total: 5)
1501	Lisa Nathans Contact instructor or department for details.	Seats (Total: 5)
1601	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

1701	Ivania Stack Contact instructor or department for details.	Seats (Total: 5)
1801	Andrew Cissna Contact instructor or department for details.	Seats (Total: 5)
2001	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
2002	KenYatta Rogers Contact instructor or department for details.	Seats (Total: 5)
2003	Jennifer Schwartz Contact instructor or department for details.	Seats (Total: 5)
2005	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
2007	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
2009	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

THET399H **Independent Study; London Stage**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An independent study in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate in term papers, scenic; lighting, or costume designs; or a stage production.

Contact department for information to register for this course.

THET399W **Independent Study; The London Stage**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

An independent study in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate in term papers, scenic; lighting, or costume designs; or a stage production.

Contact department for information to register for this course.

THET399X **Independent Study; The London Stage**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An independent study in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate in term papers, scenic; lighting, or costume designs; or a stage production.

Contact department for information to register for this course.

THET408E **Seminar: Theory and Performance Studies; Performing the Middle East: History, Politics, and Aesthetics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Studies in theatre theory and performance studies from classical antiquity to the present.

Cross-listed with PERS498R and THET608E. Credit only granted for THET408E, PERS498R, or THET608E. This seminar examines the evolving aesthetics, sociopolitical engagements, and transnational collaborations of theatre and performance in the Middle East. We explore theatrical experimentations and revised historiographies within shifting contexts and trajectories. Readings include historical texts, dramatic literature, and critical scholarship, complemented by archival materials and performance recordings.

0101	Marjan Moosavi	Seats (Total: 12)	
	Th 4:00pm - 6:30pm	PAC 2804	

THET408P **Seminar: Theory and Performance Studies; Sports and Performance**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Studies in theatre theory and performance studies from classical antiquity to the present.

0101	Faedra Carpenter	Seats (Total: 12)	
	MW 2:30pm - 3:45pm	PAC 1809	

THET425 **Actor's Process II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET325; and must audition; and permission of ARHU-School of Theatre, Dance & Performance Studies department.

A deeper exploration of the work begun in THET325. A continuation of creating a personal process through which the actor can confidently approach any genre of play. Special focus on status and subtext and the world of the playwright.

5501	Fatima Quander	Seats (Total: 12)	
	TuTh 9:30am - 11:20am	PAC 3732	Lab
	Class time/details on ELMs	ONLINE	Lab

THET428J **Special Topics in Advanced Theatre and Performance; Devising El Ciclon**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail

This course is offered as part of the School of Theatre, Dance, and Performance Studies' Artist in Residence program. Topics covered may include: Intercultural Theatre; Performance Art; Puppetry; Solo Performance; or Theatrical Design.

Students must pa a $25 lab fee. For students enrolled in El Ciclon Spring 2026.

5501	Yara Travieso	Seats (Total: 10)
	Th 4:00pm - 6:50pm	PAC 3736

THET429 **Actor's Studio**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail

Participation in dramatic roles executed under faculty supervision in the department's productions. Eligible students must make commitments and plan performances with course instructor during pre-registration.

Contact department for information to register for this course.

THET447 **Technologies of Japanese Performance**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Cross-listed with: JAPN447. Credit only granted for: THET447 or JAPN447.

Explores technologies of performance in Japan across the centuries. We will focus on concepts of likeness and liveness as they manifest in performance's mythical origins, the traditions of noh drama, the popular, commercial theatres of kabuki, bunraku, and Takarazuka, and contemporary experiments with robotics, Vocaloids, and other new technologies. Taught in English.

0101	Jyana Browne	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	JMZ 1122

THET471 **Design Studio in Scenery**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET371; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Jointly offered with THET639. Credit only granted for: THET471 or THET639.

Advanced study of scenic design for the theatre. Particular design projects will vary.

5501	Misha Kachman	Seats (Total: 2)	
	W 10:00am - 12:50pm	PAC 2733	Lab

THET473 **Rendering for the Theatre II**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET373; or permission of instructor.

Continued study in rendering techniques and graphic skills for theatrical design presentation. Emphasis on style, technique and use of different artistic media.

Students must pay a $25 lab fee.

5501	Misha Kachman	Seats (Total: 3)	
	W 1:30pm - 4:20pm Contact instructor or department for details.	PAC 2755	Lab

THET475 **History of Art, Architecture, and Decor for the Theatre**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: TDPS201, THET116, THET222, and THET223; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Jointly offered with: THET670. Credit only granted for: THET475 or THET670.

Study of Western art, architecture, and decor and their practical application to theatrical production.

0101	Caroline Hickman	Seats (Total: 6)	
	TuTh 11:00am - 12:15pm	ARC 1123	

THET477 **Design Studio in Lighting**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET377; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Jointly offered with THET659. Credit only granted for: THET477 or THET659.

Designed for students who have successfully completed THET377 and wish to further develop their lighting design skills. Emphasis is on theoretical design of productions and realized light lab projects. Particular design projects will vary.

Students must pay a $25 lab fee.

5501	Annie Wiegand	Seats (Total: 3)	
	MW 3:00pm - 4:50pm	PAC 3731	Lab
	Class time/details on ELMs	ONLINE	Lab

THET480 **Advanced Sound Design**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET380 and permission of the School of Theatre, Dance, and Performance Studies.

Students will dive deeper into the technical elements of sound design, developing a working understanding of both software editing tools as well as the primary components of a live sound system.

5501	Samuel Crawford	Seats (Total: 10)	
	TuTh 1:30pm - 2:45pm	PAC 2727	Lab
	Class time/details on ELMs	ONLINE	Lab

THET481 **Theatre Graphics II: Computer Assisted Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET114 or TDPS201; and THET116; and permission of ARHU-Theatre department. Restriction: Sophomore standing or higher.

Study and practical application of computer generated graphical design for use in theatrical production.

Students must pay a $25 course fee.

5501	Andrew Cissna	Seats (Total: 3)	
	MW 10:00am - 11:50am	PAC 2727	Lab
	Class time/details on ELMs	ONLINE	Lab

THET499 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

An independent study course in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate with term papers, scenic or costume designs, or a stage production.

Contact department for information to register for this course.

THET499B **Independent Study; Figure Drawing for Theatre Design**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An independent study course in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate with term papers, scenic or costume designs, or a stage production.

Students must pay a $25 lab fee

5501	Susan O'Neill	Seats (Total: 6)	
	F 9:00am - 11:50am	PAC 3736	Lab
	Class time/details on ELMs	ONLINE	Lab

THET600 **Introduction to Graduate Research Methods**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be a graduate student in a Theatre program. Also offered as: THET700. Credit only granted for: THET600 or THET700. Additional information: Only students in the doctoral program may register for THET700.

Basic skills in theatre research.

0101	Caitlin Marshall	Seats (Total: 12)
	TuTh 1:30pm - 2:45pm	PAC 1924

THET606 **Teaching Theatre**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Strategies and materials for teaching a typical introductory course in theatre, with emphasis on specific problems of classroom instruction (e.g., creating a supportive climate, promoting active learning by students, constructing appropriate tests, adapting methods to content, and resolving discipline problems).

0101	Crystal Davis	Seats (Total: 18)
	Tu 3:00pm - 4:15pm	PAC 3730

THET608E **Seminar: Theory and Performance Studies; Performing the Middle East: History, Politics, and Aesthetics**

Credits: 3 Grading Method: Regular, Audit

A repeatable seminar on special topics in theory of the Theatre and Performance Studies.

Cross-listed with THET408E and PERS498R. Credit only granted for THET408E, PERS498R, or THET608E. This seminar examines the evolving aesthetics, sociopolitical engagements, and transnational collaborations of theatre and performance in the Middle East. We explore theatrical experimentations and revised historiographies within shifting contexts and trajectories. Readings include historical texts, dramatic literature, and critical scholarship, complemented by archival materials and performance recordings.

0101	Marjan Moosavi	Seats (Total: 12)
	Th 4:00pm - 6:30pm	PAC 2804

THET619V **Special Topics in Theatre; Drafting for Set Design**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

This is a rotating "special topics" course that will address the history and theory of theatre, performance, and design.

Students must pay a $25 lab fee.

0101	Sarah Hall	Seats (Total: 8)	
	M 9:00am - 11:50am	PAC 2733	Lab
	Class time/details on ELMs	ONLINE	Lab

THET633 **Figure Drawing for Theatre Design**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: THET633 or THET669F. Formerly: THET669F.

Figure Drawing is designed to give students the necessary drawing skills that are required when drawing and painting for the theatre. We will study anatomy, figure/ground relationships, composition plotting and layout, planar value, light and shadow analysis, color theory and the fundamentals of perspective and how this applies to theatre design.

5501	Susan O'Neill	Seats (Total: 10)	
	F 9:00am - 11:50am	PAC 3736	Lab
	Class time/details on ELMs	ONLINE	Lab

THET639 **Graduate Design Studio - Scenery**

Credits: 3 Grading Method: Regular, Audit

A repeatable course that allows students to progress in their design training through a series of carefully and individually structured assignments and projects.

5501	Misha Kachman	Seats (Total: 10)	
	W 10:00am - 12:50pm	PAC 2733	Lab
	Class time/details on ELMs	ONLINE	Lab

THET645 **Graduate Rendering for Costume Design**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: THET669R or THET645. Formerly: THET669R.

Advance study in rendering techniques for theatrical design presentation.

Students must pay a $25 lab fee.

5501	Misha Kachman	Seats (Total: 8)	
	W 1:30pm - 4:20pm	PAC 2755	Lab
	Contact instructor or department for details.		

THET649 **Graduate Design Studio - Costume**

Credits: 3 Grading Method: Regular, Audit

A series of carefully and individually structured assignments and projects that allows students to progress in their design training.

Students must pay a $25 course fee. Class is for First, Second, and Third Year MFA students.

5501	Ivania Stack	Seats (Total: 6)	
	W 9:30am - 12:20pm Class time/details on ELMs	PAC 2755 ONLINE	Lab Lab

THET659 **Graduate Design Studio - Lighting**

Credits: 3 Grading Method: Regular, Audit

We will focus on connecting subject matter to light. Questions of meaning, structure, process, and intent will be investigated. The class will also explore the qualities and functions of light, what light can and cannot communicate. Students will develop a visual and conceptual vocabulary. Emphasis will be placed on process, both intellectual and practical.

Students must pay a $25 course fee. Contact instructor for days/times.

5501	Annie Wiegand	Seats (Total: 6)	
	MW 3:00pm - 4:50pm Class time/details on ELMs	PAC 3731 ONLINE	Lab Lab

THET669 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit, Sat-Fail

Contact department for information to register for this course.

THET669I **Independent Study; Sound Design**

Credits: 1-3 Grading Method: Regular, Audit

5501	Samuel Crawford	Seats (Total: 3)	
	TuTh 1:30pm - 2:45pm	PAC 2727	Lab

THET669O **Independent Study; Graduate Lighting Design Studio II**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Students must pay a $25 lab fee.

5501	David Weiner	Seats (Total: 8)	
	M 10:00am - 12:50pm Class time/details on ELMs	PAC 2755 ONLINE	Lab Lab

THET669T **Independent Study; Theatre Graphics II: Computer Assisted Design**

(Perm req)

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Students must pay a $25 lab fee

5501	Andrew Cissna	Seats (Total: 8)	
	MW 10:00am - 11:50am	PAC 2727	Lab

THET670 **Period Style for the Theatre: Fashion and Decor**

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Recommended: THET600. Jointly offered with: THET475. Credit only granted for: THET475 or THET670.

Study of Western art, architecture, and decor and their practical application to theatrical production.

0101	Caroline Hickman	Seats (Total: 14)	
	TuTh 11:00am - 12:15pm	ARC 1123	

THET679 **Graduate Design Studio - Multimedia Design**

Credits: 3

Grading Method: Regular, Audit

A repeatable course that allows students to progress in their design training through a series of carefully and individually structured assignments and projects.

5501	Alexandra Colburn	Seats (Total: 8)	
	M 2:00pm - 4:50pm	PAC 2755	Lab
	Class time/details on ELMs	ONLINE	Lab

THET700 **Introduction to Graduate Research Methods**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be a graduate student in a Theatre program. Also offered as: THET600. Credit only granted for: THET600 or THET700. Additional information: Only students in the doctoral program may register for THET700.

Basic skills in theatre research.

0101	Caitlin Marshall	Seats (Total: 12)	
	TuTh 1:30pm - 2:45pm	PAC 1924	

THET711 **Critical Theory**

Credits: 3

Grading Method: Regular, Sat-Fail

Prerequisite: THET700. Recommended: THET712.

A doctoral methods course. Major developments in modern and postmodern critical theory with particular emphasis on application to the fields of Theatre and Performance Studies.

0101	Jill Bradbury	Seats (Total: 10)
	Tu 5:00pm - 7:30pm	PAC 1815

THET788 **Design for Live Performance Tutorial**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Collaboration with a faculty member on joint creative and artistic projects. A tutorial that assists students in developing a professional design portfolio, monitors practical production efforts and addresses practical production skills that may not be offered in traditional design studios.

Contact department for information to register for this course.

THET789 **Theatre Design Process and Production**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

The class encompasses various areas of pedagogical interactions between MFAD students and their mentors which include, but are not limited to: design advising and supervision for mainstage design assignments and professional projects outside the School, production process supervision (shop walkthroughs, fittings, technical rehearsals, note sessions), mandatory design critiques, assisting faculty members on outside professional projects etc.

Contact department for information to register for this course.

THET799 **Master's Thesis Research and Preparation**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Research and preparation of the MA or MFA thesis. MA/MFA students must be registered for this class during the semester in which they defend their thesis.

Contact department for information to register for this course.

THET888 **Doctoral Practicum in Theatre**

(Perm req)

Credits: 1-6 Grading Method: Regular

Critical analysis of a phase of a professional field of theatre. Analysis of professional activity through personal observation. Evaluation of the purpose, process, effectiveness, and efficiency of professional activity. Recommendations for training and further research.

Contact department for information to register for this course.

THET889 **Doctoral Tutorial in Theatre and Performance Studies**

(Perm req)

Credits: 1-6 Grading Method: Regular

Individually designed tutorials in which a PhD student works on a creative/scholarly project requiring significant pedagogical interactions between the student and the instructor. This can include, but is not limited to, the development of an annotated bibliography in preparation for the comprehensive and qualifying examinations.

Contact department for information to register for this course.

THET898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Research and preparation for the Comprehensive Examinations and for the Qualifying Examinations. Students must register for at least one of these classes in each of the semesters in which these exams are taken and may register for two THET 898 courses in a semester if they are taught by different instructors. (Total credits per semester for all courses must not exceed 10 credits, 6 credits during the winter term.)

Contact department for information to register for this course.

THET899 **Doctoral Dissertation Research**

(Perm req)

Credits: 1-10 Grading Method: Sat-Fail

Contact department for information to register for this course.

TLPL Teaching and Learning, Policy and Leadership Fall 2025

TLPL101 **Inquiry Approach to Teaching STEM (Step 1)**

Credits: 1 Grading Method: Regular

Additional information: Students must allow for a three-hour window between 7:45 AM and 3:15 PM in their schedule for field experiences in a local school 3-4 times during the semester. A background check is required and will be facilitated by the Terrapin Teacher program coordinator.

Explore STEM teaching and learning and classroom complexity, and develop teaching skills through discussion-based, collaborative class sessions, and experiences in local schools. To explore/understand the fundamentals of inquiry teaching, students will observe, plan and teach student-centered lessons.

0101	Luis Royo Romero M 3:00pm - 4:20pm	Seats (Total: 24) PHY 1120
0201	Khusbu Dalal Th 12:30pm - 1:50pm	Seats (Total: 24) PHY 1120
0301	Aaron Kyei-Asare Th 3:30pm - 4:50pm	Seats (Total: 24) PHY 1120

TLPL102 **Inquiry Teaching of STEM in Middle School**

Credits: 2 Grading Method: Regular General Education: DSSP

Prerequisite: Must have completed TLPL101. Additional information: Attendance at each class session will be vital to student success in the course. To complete the observations and lessons, students must allow a three hour block of time during the local middle school operational hours from 7:45 am to 3:15 pm. A background check is required.

Second course in the Terrapin Teachers teacher preparation sequence. Students gain field experience and continue exploring teaching as a career by conducting teacher observations, and planning and implementing lessons in local, high-need middle school classrooms. Students work closely with UM master teachers to build upon the inquiry-based teaching practices developed in TLPL 101. Students work with mathematics and science curricula while attending to state and district standards, in order to develop and enact lessons that are responsive to students' reasoning in math and science.

0101	Victoria Fernandez W 3:00pm - 4:50pm	Seats (Total: 22) PHY 1120
0201	Steven Karig Th 3:00pm - 4:50pm	Seats (Total: 24) MTH 0304

TLPL206 **Forbidden Books: Censorship of Children's and Young Adult Literature**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

Credit only granted for: TLPL288W or TLPL206. Formerly: TLPL288W.

What is the relationship between censorship and intellectual freedom? This course examines the history of censorship from Plato to Fake News with a focus on contemporary censorship analyzed through historical, political, ethical, moral, philosophical, and socio-cultural perspectives. We consider the evolving definition of censorship, forms of censorship, the rationalizations and arguments for censorship, and the consequences and unintended results of censorship.

0101	Wayne Slater TuTh 12:30pm - 1:45pm	Seats (Total: 60) TWS 0320

TLPL250 **Historical and Philosophical Perspectives on Education**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Credit only granted for: EDPS210 or TLPL250. Formerly: EDPS210.

An examination of illustrative historical and philosophical examples of the interplay of ideas and events in the shaping of educational aims and practices from ancient cultures to modern technological societies.

0101	Campbell Scribner TuTh 12:30pm - 1:45pm	Seats (Total: 30) EDU 3315

0201	Judson Haynes MW 10:00am - 11:15am	Seats (Total: 30) TWS 0221	
0301	Lisa Eaker Tu 4:15pm - 7:00pm	Seats (Total: 30) ASY 3203	
0401	Chelsea Stolt MW 1:00pm - 2:15pm	Seats (Total: 30) EDU 1121	

TLPL251 **Community, Learners, and Classroom Climate**

Credits: 3 Grading Method: Regular

Additional information: This course has a field component in a local elementary school.

Focuses on classroom community building as an ethic of caring for students and examines the connection between classroom climate and learning. Topics include students' funds of knowledge, social-emotional competency, and the practices that maintain a safe and inclusive classroom climate. Wellness strategies to support teacher resilience are also addressed.

Two-hour seminar each week on campus plus a four-hour lab each week which includes three hours in a local public school classroom and commute time to and from campus. Most schools are within a 20-minute commute with more travel time needed if public transportation is required. Allow for travel time between on-campus coursework and the off-campus public school experience. All schools require a Prince Georges County Public School security process that includes fingerprinting and a background check at an additional cost, prior to the start of the experience.

0101	Karen Rehder Tu 4:00pm - 5:50pm Class time/details on ELMs Tu 8:00am - 12:00pm	Seats (Total: 12) EDU 2121 ONLINE Location: TBA	Lab
0102	Karen Rehder Tu 4:00pm - 5:50pm Class time/details on ELMs W 8:00am - 12:00pm	Seats (Total: 12) EDU 2121 ONLINE Location: TBA	Lab
0103	Karen Rehder Tu 4:00pm - 5:50pm Class time/details on ELMs Th 8:00am - 12:00pm	Seats (Total: 12) EDU 2121 ONLINE Location: TBA	Lab

TLPL253 **Language Rights and Repression in Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, SCIS

Many English-speaking Americans view societal monolingualism and English-speaking in schools as the standard. The proposed course will delve deeply into issues associated with language, language rights, education, and linguistic repression in schooling. The Big Question of our time this course asks is: Are access to education and native language maintenance civil rights? Human rights?

0101	Sarah Moore	Seats (Total: 60)
	MW 8:30am - 9:45am	HJP 2242

TLPL286 **Accelerated Introduction to STEM Teaching**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: TLPL101 and TLPL102; or TLPL286. Additional information: For the lab component of this course, students must reserve a three-hour window in their schedules between the hours of 8am-3pm, to be utilized approximately 10 weeks in the semester. This lab will be a combination of collaborative group work and a fieldwork component in a local partner school, which requires fingerprinting and a background check (facilitated by Terrapin Teachers).

This course is the starting point for students pursuing or seriously considering the middle school or secondary STEM undergraduate and graduate certification pathways. This one-semester course will substitute for both TLPL101 and TLPL102, thereby accelerating the undergraduate pathway. Students will make four visits to a local middle school classroom to observe, facilitate discussions, and lead STEM lessons. Students can expect a highly collaborative, discussion-based exploration of STEM teaching and learning, classroom complexity, and social justice.

0101	Dana Grosser-Clarkson	Seats (Total: 25)
	M 2:00pm - 3:50pm	PHY 1108

TLPL288D **Special Problems in Education; Developmental Heuristics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special and intensive treatment of current topics and issues in teaching, learning, policy and leadership. Available only to freshmen and sophomore students who have definite plans for individual study of approved problems relative to their preparation for teaching.

0101	Sharon Vanwright	Seats (Total: 115)
	Contact instructor or department for details.	

TLPL288P **Special Problems in Education; Experiential Learning of Geoscience: An Agency and School Visit Experience**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Special and intensive treatment of current topics and issues in teaching, learning, policy and leadership. Available only to freshmen and sophomore students who have definite plans for individual study of approved problems relative to their preparation for teaching.

0101	Candice Duncan Class time/details on ELMs F 10:00am - 10:50am	Seats (Total: 15) ONLINE Location: TBA

TLPL298 **Special Problems in Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Exploration of current problems in teaching, learning, policy and leadership. Available only to students who have definite plans for study of approved problems.

Contact department for information to register for this course.

TLPL305B **Curriculum and Instruction Cluster**

(Perm req)

Credits: 0 Grading Method:

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 30)
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 28)
0301	Instructor: TBA Contact instructor or department for details.	Seats (Total: 30)

TLPL305M **Curriculum and Instruction Cluster**

(Perm req)

Credits: 0 Grading Method:

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 20)

TLPL312 **Curriculum and Instruction in Elementary Education: Mathematics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: TLPL361. Corequisite: EDCI362, EDCI342, TLPL321, and TLPL362. Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75; Or permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI352 or TLPL312. Formerly: EDCI352.

Materials and procedures to help children sense arithmetical meanings and relationships. Development of an understanding of the number system and arithmetical processes. Includes laboratory/field experiences.

0101	Sara Kirschner M 12:00pm - 2:45pm Contact instructor or department for details.	Seats (Total: 0) EDU 2121

0201	Sara Kirschner Th 8:30am - 11:15am Contact instructor or department for details.	Seats (Total: 0) EDU 2121
0301	Imani Goffney Tu 12:30pm - 3:15pm Contact instructor or department for details.	Seats (Total: 0) EDU 2121

TLPL321 **Curriculum and Instruction in Elementary Education: Science**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: TLPL361. Corequisite: TLPL312, EDCI362, EDCI342, and TLPL362. Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75; Or permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI372 or TLPL321. Formerly: EDCI372.

Objectives, methods, materials and activities for teaching science in the elementary school; emphasis on teaching strategies which help children learn the processes and concepts of science. Includes laboratory/field experiences.

0101	Gianna Fogelbach M 8:30am - 11:15am	Seats (Total: 0) EDU 2212
0201	Amy Green Th 12:00pm - 2:45pm Contact instructor or department for details.	Seats (Total: 0) EDU 2212
0301	Amy Green Tu 9:00am - 11:45am	Seats (Total: 0) EDU 2212

TLPL340 **Introduction to Children's Literature and Critical Literacy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Elementary Education program; or must be a Pre-Education Major. Credit only granted for: EDCI443 or TLPL340. Formerly: EDCI443.

Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.

0101	Reka Barton MW 1:00pm - 2:15pm	Seats (Total: 22) EDU 3236

0201	Ayanna Baccus MW 2:30pm - 3:45pm	Seats (Total: 25) EDU 1121

TLPL341 **Assessing Language and Literacy Development in Elementary Classrooms**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Corequisite: TLPL479, EDHD411, and EDSP401. Restriction: Must be in the Elementary Education program; and permission of EDUC-Teaching and Learning, Policy and Leadership. Credit only granted for: TLPL341 or TLPL488R. Formerly: TLPL488R.

An exploration of the social and cognitive processes involved in reading and writing, the developmental nature of those processes, the foundational concepts associated with effective literacy assessment, a variety of formative and summative literacy assessments, and the nature of individual differences in reading and writing.

0101	Shannon Kane M 9:00am - 11:45am	Seats (Total: 24) EDU 2121
0201	Margaret Peterson Tu 9:00am - 11:45am	Seats (Total: 25) EDU 2121
0301	Shannon Kane Th 9:00am - 11:45am	Seats (Total: 28) EDU 2212

TLPL343 **Promoting Skilled and Motivated Readers in Diverse Elementary Classrooms (Part 2)**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Corequisite: TLPL312, TLPL321, TLPL446, and TLPL489. Restriction: Must be in the Elementary Education program; and permission of EDUC-Teaching and Learning, Policy and Leadership. Credit only granted for: TLPL343 or TLPL488F. Formerly: TLPL488F.

Application of the materials, curriculum, teaching and learning practices and assessment methods associated with classroom reading programs designed to promote skilled and motivated readers in diverse elementary classrooms. Teacher candidates will learn to assess and scaffold students' self-regulated literacy learning in line with students' individual needs and Maryland College and Career Ready Standards.

0101	Kerry Alexander Tu 12:00pm - 2:45pm	Seats (Total: 0) EDU 2212
0201	Kerry Alexander W 8:30am - 11:15am	Seats (Total: 0) EDU 1315

0301	Ayanna Baccus M 8:30am - 11:15am	Seats (Total: 0) TWS 0223

TLPL360 **Foundations of Education**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

Credit only granted for: EDPS301 or TLPL360. Formerly: EDPS301.

Social context of education and conflicts over philosophies, values, an goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.

0101	Cody Norton MW 9:30am - 10:45am	Seats (Total: 30) TWS 0214
0201	Keisha Allen MW 11:00am - 12:15pm	Seats (Total: 30) EDU 1121
0301	Cesar Guitunga TuTh 2:00pm - 3:15pm	Seats (Total: 30) EDU 2119

TLPL401 **Student-Centered Curriculum and Instruction**

(Perm req)

Credits: 3 | Grading Method: Regular | General Education: DSSP, DVCC

Prerequisite: Permission of instructor; and TLPL102; and must have completed or be concurrently enrolled in TLPL414. Credit only granted for: TLPL488P or TLPL401. Formerly: TLPL488P. Additional information: Field experience for this course will require students to be available for a 2-4 hour block of time at various points throughout the semester to complete observations and teach lessons between 8:00 a.m. and 3:30 p.m. A background check is required and will be facilitated through the Terrapin Teacher program coordinator.

A focus on using student-centered teaching and learning approaches in high school STEM classrooms. Students will develop and implement a multi-day series of lessons, building upon the foundations of inquiry-based practices developed in prior courses. Students will also consider the implications of cultural awareness on teaching practices broadly, as well as in the specific contexts of their fieldwork.

0101	Sarah Henson-Darko TuTh 2:00pm - 3:20pm	Seats (Total: 24) PHY 1108
0201	Dana Grosser-Clarkson TuTh 2:00pm - 3:20pm	Seats (Total: 24) PHY 1120

TLPL403 **Teaching and Learning High School Mathematics**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have 2 semesters of calculus; or permission of EDUC-Teaching and Learning, Policy and Leadership department. Corequisite: EDCI355. Restriction: Must be in Secondary Educ: Mathematics program; and minimum cumulative GPA of 2.75; Or permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI455 or TLPL403. Formerly: EDCI455.

Methods of teaching and assessing the high school mathematics curriculum; aligning tasks and activities to curriculum standards; lesson planning; and selection and use of technology. The course also focuses on managing large group dynamics in the high school mathematics classroom.

0101	Farhaana Nyamekye	Seats (Total: 24)
	M 5:00pm - 8:00pm	PHY 1120

TLPL406 **Teaching and Learning Mathematics in the Elementary School, Part 1**

Credits: 3

Grading Method: Regular, Pass-Fail

Jointly offered with: TLPL607. Credit only granted for: TLPL607 or TLPL406.

Focuses on teaching and learning whole numbers. Special emphasis will be placed on developing equitable teaching practices that enable culturally and linguistically diverse students to develop knowledge and skills that promote mathematical proficiency. Mathematical concepts: Content knowledge: some aspects of early numeracy, whole numbers and the four arithmetic operations, some aspects of algebraic thinking.

PXK4	Carolina Napp-Avelli	Seats (Total: 25)
	Tu 5:00pm - 8:00pm	LCC 507
	W 5:00pm - 8:00pm	ONLINE
	Th 5:00pm - 8:00pm	ONLINE
	Must be in Curriculum and Instruction (M.Ed.) CITE to register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.	

TLPL413 **Teaching and Learning Middle School Mathematics**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSSP

Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI457 or TLPL413. Formerly: EDCI457.

Methods of teaching and assessing the middle school mathematics curriculum. Understanding the conceptual difficulties students have in moving from whole numbers to rational numbers, additive thinking to multiplicative thinking, and arithmetic to algebra. Lesson planning and selection of technology and other materials are applied in the context of supervised tutoring of students having difficulty in middle school mathematics. Lab and field experience required. Supervised tutoring takes place on site at a local middle school therefore TLPL413 students will be expected to travel to a local middle school for 8-10 of the class meetings.

0101	Mary Ziegler Zimmerman	Seats (Total: 25)
	TuTh 3:10pm - 5:00pm	SQH 1123

TLPL414 **Knowing and Learning in Mathematics and Science**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSHS

Prerequisite: Must have completed or be concurrently enrolled in TLPL102. Credit only granted for: TLPL488M or TLPL414. Formerly: TLPL488M.

Special and intensive treatment of current topics and issues in mathematics and science teaching and learning, policy and leadership. The overall goal of the course is to orient future teachers to the discourses and theories that shape what we know about how students learn math and science.

0101	Anita Sanyal	Seats (Total: 24)
	TuTh 9:30am - 10:45am	PHY 1120

TLPL420 **Knowledge, Reasoning, and Learning in Science**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: TLPL420 or EDCI411. Formerly: EDCI411.

For prospective science teachers. Investigations of the nature of knowledge, reasoning, and learning in middle and secondary science. Readings from cognitive science and science education research; studies of student thinking in interview and classroom observations; analyses of curricula. Includes laboratory and field experiences.

0101	Justice Walker	Seats (Total: 0)
	TuTh 3:30pm - 4:45pm	EDU 2212

TLPL423 **Interdisciplinary Teaching in the Middle Grades I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: TLPL413 and TLPL420; or permission of instructor. Restriction: Minimum cumulative GPA of 2.75; and must be in the Middle School Teacher Education Program, major code 0804P. Credit only granted for: EDCI413 or TLPL423. Formerly: EDCI413.

For prospective middle school teachers. Studying and planning interdisciplinary instructional practices in middle school. Utilizes context and experiences from students' field placements. Use of technology and incorporation of technology into instruction.

0101	Angela Stoltz	Seats (Total: 0)
	M 10:00am - 11:50am	EDU 2102

TLPL425 **Learning and Teaching in Science**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: TLPL420; or permission of instructor. Restriction: Must be in Secondary Educ: Science program. Credit only granted for: EDCI470 or TLPL425. Formerly: EDCI470.

Studies of student learning and instructional practices in science teaching.

0101	Sarah Henson-Darko	Seats (Total: 24)
	M 2:30pm - 5:30pm	PHY 1120G

TLPL433 **Foundations of Art Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Minimum cumulative GPA of 2.75. Credit only granted for: EDCI403 or TLPL433. Formerly: EDCI403.

Introduction to the field of Art Education and the role of the visual arts in grades PreK-12 for today's diverse school populations. The fundamental, historical and philosophic components of art education with an emphasis on arts disciplines and curriculum. Includes a school-based practicum. For those considering art education as a major.

0101	Margaret Walker	Seats (Total: 19)
	Th 9:00am - 12:00pm	EDU 1315

TLPL436 **Studio Processes and Materials: 2D**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT210. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department; and junior standing or higher; and must not be in any of the following programs (Early Childhood Education; Elementary Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Physical Education; Music Education; Special Education). Credit only granted for: EDCI406 or TLPL436. Formerly: EDCI406.

A discussion/studio format used to develop skills, materials, resources and education strategies for using technology and two-dimensional art in K-12 programs.

0101	Margaret Walker Th 12:30pm - 4:05pm	Seats (Total: 15) EDU 1315

TLPL440 **Foundations of Educating Multilingual Learners**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVUP

Credit only granted for: EDCI432 or TLPL440. Formerly: EDCI432.

Investigates historical, theoretical, and public policy issues and current practice in the field of education as it relates to multilingual learners (also known as English Language Learners, English Learners) in K-12 and other settings.

0101	Laura Mahalingappa TuTh 12:30pm - 1:45pm	Seats (Total: 22) EDU 3236
PXS1	Margaret Marcus Tu 5:00pm - 8:00pm Class time/details on ELMs	Seats (Total: 25) Location: TBA ONLINE
	Must be in the Post-Master's Certificate for Professional School Counselors (Z171) program to register. Golden ID students are not eligible for this section.	

TLPL442 **Foundations of Literacy and Biliteracy Development**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: EDCI435 or TLPL442. Formerly: EDCI435.

An overview of the research on literacy and biliteracy development for English learners. Specifically, the course explores the theoretical models and processes of teaching reading and writing, current literacy/biliteracy issues, assessment, and strategies for developing literacy and biliteracy skills for English learners.

0101	Sandra Gutierrez MW 12:30pm - 1:45pm	Seats (Total: 22) EDU 1107

TLPL443 **Cross-Cultural Communication and Multilingual Learners**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Credit only granted for: EDCI436 or TLPL443. Formerly: EDCI436.

Participants will research and critically reflect upon aspects of culture as a basis to understand students and to develop principles to guide culturally inclusive teaching decisions. Participants will better understand the role of culture and language in schooling in order to create classrooms where culturally and linguistically diverse students (also known as English Language Learners, English Learners) can succeed.

0101	Monica Obiri-Yeboah W 5:00pm - 7:45pm	Seats (Total: 25) TWS 1107

TLPL445 **Methods I: World Language Methods and Technology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: TLPL445 or TLPL695.

Explores Dual Language/World Language Methods and Second Language/Bilingual development. Implications for teaching and initial lesson design are explored through on-campus seminars as well as guided field experiences. Students should reserve a regular half-day per week for the field experience in local schools.

Lab and field experiences required. Students should reserve a regular half-day per week for the field experience in local schools.

0101	Antonio Perez Belda Th 5:00pm - 7:45pm	Seats (Total: 15) TWS 1106

TLPL446 **Language Variation and Multilingualism in Elementary Classrooms**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department.

Issues in language variation and multilingualism in elementary classrooms, schools and communities with a focus on classroom practice, assessment, and policy.

0101	Gabriel Opare Tu 8:30am - 11:15am	Seats (Total: 0) TWS 0201
0201	Sarah Moore W 12:00pm - 2:45pm	Seats (Total: 0) EDU 2212
0301	Izolda Savenkova M 12:00pm - 2:45pm	Seats (Total: 0) TWS 0201

TLPL447 **Art Education Methods II**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: TLPL435; or students who have taken courses with comparable content may contact the department. Restriction: Minimum cumulative GPA of 2.75; and must be in Secondary Educ: Art program. Credit only granted for: EDCI423, EDCI603, TLPL447 or TLPL633. Formerly: EDCI423.

Methods II builds upon the pedagogical foundation of Methods I and provides future art teachers with the means for developing pre K-12 art lessons and unit plans for a balanced qualitative art program for today's diverse and inclusive schools and classrooms.

0101	Katherine Coogan	Seats (Total: 18)
	Tu 9:00am - 11:50am	EDU 1315

TLPL450 **Advanced World Language Methods and Technology**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: TLPL445. Corequisite: EDCI438. Restriction: Must be in Secondary Educ: Foreign Languages program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI433, EDCI688A, TLPL450 or TLPL696. Formerly: EDCI433.

Teaches advanced best practices for effective world language instruction. Topics include: using authentic assessment and materials, applying national standards, teaching writing and culture, motivating students, providing strategy instruction, infusing technology, preparing for PreK-12 employment, and creating a professional portfolio.

EDCI438 must be taken concurrently with EDCI433.

0101	Antonio Perez Belda	Seats (Total: 5)
	M 5:00pm - 7:45pm	EDU 2121

TLPL451 **Teaching and Learning in Secondary Education: English**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSSP

Credit only granted for: EDCI416 or TLPL451. Formerly: EDCI416.

An introduction for prospective middle and secondary English teachers into the basic issues, concepts, orientations, and processes that shape the teaching of English for diverse students in schools. Candidates explore their own perspectives in relation to local and national trends and develop basic teaching understanding and skills through on-campus seminars, teaching laboratory experiences, and guided field experiences. Students should reserve one full day or two half days per week for field experience.

0101	Peggy Wilson	Seats (Total: 25)	
	M 8:30am - 10:15am	EDU 3315	
	W 8:30am - 10:15am	EDU 2121	Lab

TLPL456 **Teaching Writing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Corequisite: EDCI447. Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI467 or TLPL456. Formerly: EDCI467.

Examines current theory, research, best practice, curricula and materials for teaching written communication in grades K-12. Focuses on analytical, argumentative, informative/explanatory, literary analysis, narrative, descriptive, and research writing. Emphasizes instructional planning, assessment, writer problem-solving strategies, information search, development, organization and style appropriate to task, purpose and audience for both non-digital and digital text. English Language Learner and special needs pupil issues considered.

0101	Wayne Slater Th 5:00pm - 7:45pm	Seats (Total: 25) EDU 2212B

TLPL457 **Literature for Adolescents**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI466 or TLPL457. Formerly: EDCI466.

Reading and analysis of fiction and nonfiction; methods for critically assessing quality and appeal; current theory and methods of instruction; research on response to literature; curriculum design and selection of books.

0101	Shannon Kane MW 2:00pm - 3:15pm	Seats (Total: 30) JMZ 1122

TLPL460 **Materials and Instruction for Creating Skilled and Motivated Readers, Part I**

Credits: 3 Grading Method: Regular

Restriction: Must be in Elementary Education program; and junior standing or higher. Or permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI461 or TLPL460. Formerly: EDCI461.

Explains the educational research that addresses the acquisition of reading and its underlying processes, including research-based reading instruction and materials. Learn how to create a literacy learning environment that helps diverse learners become skilled and motivated readers through phonemic awareness, phonics, fluency, comprehension, vocabulary, and whole and small-group instructional approaches.

PXK4	Shannon Kane	Seats (Total: 25)
	Tu 5:00pm - 8:00pm W 5:00pm - 8:00pm Th 5:00pm - 8:00pm	LCC 507 ONLINE ONLINE
	Must be in Curriculum and Instruction (M.Ed.) CITE to register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.	

TLPL461 **Materials and Instruction for Creating Skilled and Motivated Readers, Part II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: TLPL361 and TLPL460. Corequisite: TLPL312, EDCI342, TLPL321, and TLPL362. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching and Learning, Policy and Leadership department; and must be in Elementary Education program. Credit only granted for: EDCI462 or TLPL461. Formerly: EDCI462.

Selecting, evaluating, and using a variety of materials to create skilled and motivated readers in the elementary grades, particularly in diverse classroom settings; Topics include word analysis, spelling, writing, reading comprehension strategies, directed reading lessons, and explicit instruction.

Contact department for information to register for this course.

TLPL470 **Knowledge, Reasoning, and Learning in Secondary Social Studies**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department; and minimum cumulative GPA of 2.75. Credit only granted for: EDCI426 or TLPL470. Formerly: EDCI426.

An exploration of the nature of knowledge and reasoning in social studies disciplines as well as how students learn social studies. Assessment and investigation of students' conceptions and misconceptions as well as their disciplinary thinking. Implications for teaching and initial lesson design are explored through on-campus seminars as well as guided field experiences. Students should reserve a regular half-day per week for the field experience in local schools. This course is required for admission to the secondary social studies double major.

0101	Lisa Eaker	Seats (Total: 30)
	Th 4:15pm - 7:00pm	ASY 3207

TLPL471 **Curriculum, Teaching, and Assessment in Secondary Social Studies**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: TLPL470. Corequisite: EDCI428. Restriction: Must be in Secondary Educ: Social Studies program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Center for Learning & Educational Technology. Credit only granted for: EDCI427 or TLPL471. Formerly: EDCI427.

An exploration of curriculum development, teaching, and assessment in secondary history/social studies. Focus on identifying students' conceptions of social studies topics and designing lessons that advance students' disciplinary thinking and understanding.

0101	Alison Jovanovic M 4:30pm - 7:30pm	Seats (Total: 15) ASY 3217

TLPL475 **Equitable Classrooms**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: TLPL252, TLPL413, and TLPL420. Corequisite: EDCI360 and TLPL423. Restriction: Minimum cumulative GPA of 2.75; and must be in Middle School Education program. Credit only granted for: EDCI424 or TLPL475. Formerly: EDCI424.

An exploration and application of major theoretical frameworks surrounding equity and critical pedagogy. Creating habits of mind that help teachers see all students as capable of achieving at high levels. Draws on the concurrent field experience.

0101	Gisell Ramirez Tu 10:00am - 12:00pm	Seats (Total: 0) EDU 2212A

TLPL477 **Teaching Academically, Culturally, and Linguistically Diverse Students in Middle School and Secondary Education**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the teacher education program; or permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: TLPL488B or TLPL477. Formerly: TLPL488B.

Instruction on methods of teaching academically, culturally, and linguistically diverse students in middle school and secondary classrooms.

0101	Jennifer McCatharn, Taylor Lewis TuTh 9:00am - 9:50am	Seats (Total: 0) EDU 3236
0201	Taylor Lewis, Jennifer McCatharn W 5:30pm - 7:15pm	Seats (Total: 20) EDU 2212B

TLPL478A **Professional Seminar in Education; Art Education**

Credits: 1 Grading Method: Regular

Seminar on the issues and problems teacher candidates encounter in classrooms. Exploration of the skills and strategies that best address these challenges.

0101	Katherine Coogan Tu 12:00pm - 1:00pm	Seats (Total: 20) EDU 1315	

TLPL478G **Professional Seminar in Education; Elementary Education**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail

Seminar on the issues and problems teacher candidates encounter in classrooms. Exploration of the skills and strategies that best address these challenges.

0101	Deborah Lewin F 12:45pm - 3:45pm Contact instructor or department for details.	Seats (Total: 0) SQH 1121	
0201	Brooke Dalesio F 12:45pm - 3:45pm Contact instructor or department for details.	Seats (Total: 0) EDU 1121	
0301	Tracy Dunheimer F 12:45pm - 3:45pm Contact instructor or department for details.	Seats (Total: 0) EDU 3315	

TLPL479A **Field Experiences in Education; Art Education**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Field experiences in approved eduation setting with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to approved teacher education programs.

0101	Katherine Coogan Contact instructor or department for details.	Seats (Total: 10)	

TLPL479B **Field Experiences in Education; Secondary Social Studies Education**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Field experiences in approved eduation setting with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to approved teacher education programs.

0101	Alison Jovanovic M 7:45pm - 9:00pm Contact instructor or department for details.	Seats (Total: 35) ASY 3207	Lab

TLPL479C **Field Experiences in Education; English Education**

(Perm req)

Credits: 2

Grading Method: Regular, Pass-Fail, Audit

Field experiences in approved eduation setting with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to approved teacher education programs.

Secondary English/speech/drama education majors only. Students must reserve one full day per week for observation.

0101	Peggy Wilson	Seats (Total: 25)
	Contact instructor or department for details.	

TLPL479D **Field Experiences in Education; Secondary Mathematics Education**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Field experiences in approved eduation setting with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to approved teacher education programs.

0101	Farhaana Nyamekye	Seats (Total: 20)
	Contact instructor or department for details.	

TLPL479E **Field Experiences in Education; Middle School Education**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Field experiences in approved eduation setting with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to approved teacher education programs.

0101	Angela Stoltz	Seats (Total: 0)
	Contact instructor or department for details.	

TLPL479F **Field Experiences in Education; Science Education**

(Perm req)

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Field experiences in approved eduation setting with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to approved teacher education programs.

0101	Instructor: TBA	Seats (Total: 15)
	Contact instructor or department for details.	

TLPL479G **Field Experiences in Education; Tutoring**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Field experiences in approved eduation setting with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to approved teacher education programs.

Purchase of LiveText ($139) is required for this course. A fee for fingerprinting may be required.

0102	Cody Norton Tu 7:30am - 10:30am Class time/details on ELMs	Seats (Total: 12) Location: TBA ONLINE
0103	Cody Norton W 7:30am - 10:30am Class time/details on ELMs	Seats (Total: 12) Location: TBA ONLINE
0104	Cody Norton Th 7:30am - 10:30am Class time/details on ELMs	Seats (Total: 12) Location: TBA ONLINE
0106	Cody Norton Tu 2:00pm - 5:00pm Class time/details on ELMs	Seats (Total: 15) Location: TBA ONLINE
0107	Cody Norton W 2:00pm - 5:00pm Class time/details on ELMs	Seats (Total: 15) Location: TBA ONLINE
0108	Cody Norton Th 2:00pm - 5:00pm Class time/details on ELMs	Seats (Total: 15) Location: TBA ONLINE

TLPL479J **Field Experiences in Education; Second Language Education**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Field experiences in approved eduation setting with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to approved teacher education programs.

0101	Antonio Perez Belda Contact instructor or department for details.	Seats (Total: 10)

TLPL479L **Field Experiences in Education; Agriculture Education**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Field experiences in approved eduation setting with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to approved teacher education programs.

0101	Melissa Welsh	Seats (Total: 10)
	Contact instructor or department for details.	

TLPL481 **Embracing Diversity in the Classroom Community**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Admission to teacher education program; or permission of EDUC-Teaching and Learning, Policy and Leadership department.

An exploration of the richness and complexity of student diversity that teacher candidates will encounter in PK12 classrooms. Students will engage in critical reflection around diversity and equity issues.

0101	Mei Bowyer, Clarisa De Leon	Seats (Total: 25)
	Tu 3:30pm - 6:15pm	TWS 0201

TLPL489 **Internship in Education**

(Perm req)

Credits: 1-12 Grading Method: Regular

Internship or residency experiences in school settings with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to approved teacher education programs.

Contact department for information to register for this course.

TLPL489G **Internship in Education; TEACHING RESIDENCY**

(Perm req)

Credits: 2 Grading Method: Regular

Internship or residency experiences in school settings with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to approved teacher education programs.

Students must pay a $350.00 lab fee.

0101	Deborah Lewin	Seats (Total: 0)
	Contact instructor or department for details.	
	Field Experience is Wednesday and Thursday and all Fridays when TLPL478G is not scheduled. Time will follow the assigned school schedule.	
0201	Brooke Dalesio	Seats (Total: 0)
	Contact instructor or department for details.	
	Field Experience is Monday and Tuesday and all Fridays when TLPL478G is not scheduled. Time will follow the assigned school schedule.	

0301	Tracy Dunheimer	Seats (Total: 0)
	Contact instructor or department for details.	
	Field Experience is Wednesday and Thursday and all Fridays when TLPL478G is not scheduled. Time will follow the assigned school schedule.	

TLPL498 **Special Problems in Education**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Exploration of current problems in teaching, learning, policy and leadership. Available only to students who have definite plans for study of approved problems.

Contact department for information to register for this course.

TLPL499 **Workshops, Clinics, and Institutes**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

The following type of educational enterprise may be scheduled under this course heading: Workshops conducted by the College of Education (or developed cooperatively with other colleges and universities) and not otherwise covered in the present course listing; clinical experiences in pupil-testing centers, reading clinics, speech therapy laboratories, and special education centers; institutes developed around specific topics or problems and intended for designated groups such as school superintendents, principals, and supervisors.

Contact department for information to register for this course.

TLPL600 **Teaching and Learning with Technology**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Credit only granted for: EDCI687 or TLPL600. Formerly: EDCI687.

Provides a concrete, hands-on introduction to teaching and learning with technology. We will explore digital technology and its impact on learning and institutions. We will consider big ideas of the field as well as specific types of learning technologies and pedagogies for use in K-12 classrooms. We will discuss K-12 teaching methods that address the interdisciplinary nature of technology integration. The course will draw on class discussions, inquiry, instructional technology, and collaborative lab-based activities and prepare you to merge technology with your current teaching practice. Assessment with and of technology will also be explored.

PVJ1	David Weintrop	Seats (Total: 20)
	Meets August 26, 2025 - December 9, 2025	
	Tu 5:00pm - 8:00pm	Location: TBA
	Students admitted to the Curriculum and Instruction (M.Ed.) STEM program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.	

TLPL606 **Teaching and Learning Mathematics in Secondary Schools**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Enrollment in a University of Maryland program leading to teacher certification; and bachelor's degree in mathematics or related field; and 2 semesters of calculus. Credit only granted for: EDCI651 or TLPL606. Formerly: EDCI651.

Objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks, technology and other instructional materials; assessment of student learning and other topics pertinent to secondary mathematics education. Internship of other placement in a secondary mathematics classroom is required.

Prerequisite: Permission of department.

Contact department for information to register for this course.

TLPL607 **Teaching and Learning Mathematics in the Elementary School**

Credits: 3 Grading Method: Regular

Prerequisite: MATH212, MATH213, or MATH214; or students who have taken courses with comparable content may contact the department. Credit only granted for: EDCI652 or TLPL607. Formerly: EDCI652.

Strategies and methodologies for the teaching of elementary school mathematics based on current research and theories about how children learn mathematics. Attention is given to professional recommendations and teaching practices that foster communication, reasoning, and reflection in the mathematics classroom. Internship or other placement in an elementary school is required.

Contact department for information to register for this course.

TLPL616 **Teaching and Learning Statistics in the Middle School**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: Admission to M.Ed. or M.A. program in EDCI with concentration in Mathematical Education. Credit only granted for: EDCI656 or TLPL616. Formerly: EDCI656.

Designed to enhance both the pedagogical and statistical/data analysis content knowledge of middle school mathematics teachers.

PVL1	Andrew Brantlinger	Seats (Total: 20)
	Tu 5:00pm - 7:45pm	BLD3 2212
	Class time/details on ELMs	ONLINE

Students admitted to the Curriculum and Instruction (M.Ed.) MCMM program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.

TLPL625 **Teaching Science in Elementary Schools**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDCI671 or TLPL625. Formerly: EDCI671.

Identification of problems in teaching science. Methods for improving the effectiveness of science education.

PXK3	Jennifer Orodeckis Tu 5:00pm - 8:00pm Class time/details on ELMs	Seats (Total: 20) LCC 507 ONLINE

Students admitted to the Curriculum and Instruction (M.Ed.) CITE program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.

TLPL626 Learning to Teach and Learn Science

Credits: 3 Grading Method: Regular, Audit

Prerequisite: TLPL420; or permission of EDUC-Teaching and Learning, Policy and Leadership department. Restriction: Must be in the Maryland Master's Certification program; or permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI675 or TLPL626. Formerly: EDCI675.

Developing practices of instruction in science teaching in the context of understanding student science learning.

Contact department for information to register for this course.

TLPL633 Integrated Art Methods

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDCI680; or TLPL435. Restriction: Must be in a major within the EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI423, EDCI603, TLPL447 or TLPL633. Formerly: EDCI603.

Builds upon the pedagogical foundation of an initial art education methods course and provides future art teachers with the means for developing PreK-12 art lesson/unit plans for a balanced qualitative art program for today's diverse and inclusive schools/classrooms. Integratin g art with other subject areas.

Contact department for information to register for this course.

TLPL637 Teaching for Equity in Bilingual/Dual Language Immersion Programs

Credits: 3 Grading Method: Regular

Focuses on how educators apply and reflect on teaching, learning and school practices aimed to achieve educational equity in dual language programs, including bilingual, two way, and one-way immersion K-12. This course will include instruction, discussion, and materials in a LOTE (Language other than English) to model bilingual instruction.

0101	Melinda Martin-Beltran Tu 5:00pm - 8:00pm	Seats (Total: 12) LEF 1221
PCQ1	Melinda Martin-Beltran Tu 5:00pm - 8:00pm Class time/details on ELMs *Students admitted to the Dual Language Graduate Certificate program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.*	Seats (Total: 8) LEF 1221 ONLINE
PXH2	Melinda Martin-Beltran **Meets September 2, 2025 - December 10, 2025** Th 5:00pm - 7:45pm Class time/details on ELMs *Must be in School System Leadership (Ed.D.), TESOL to register. Golden ID students are not eligible for this section.*	Seats (Total: 20) Location: TBA ONLINE

TLPL640 **Assessing, Diagnosing, and Teaching Writing**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI673 or TLPL640. Formerly: EDCI673.

Examines current theory, research, best practice, curricula and materials for teaching written communication in middle and secondary schools in order to survey, review and select formal and informal assessments and diagnostic strategies useful for writing teachers. Focuses on validity and reliability issues. Includes instructional planning and development of instructional materials for implementing appropriate individual, small-group and large-group instruction. English Language Learner (TESOL and SIOP) and special needs (inclusion) pupil issues considered.

Contact department for information to register for this course.

TLPL645 **Content Area Reading**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: EDCI362; or TLPL462; or students who have taken courses with comparable content may contact the department. Credit only granted for: EDCI661 or TLPL645. Formerly: EDCI661.

Research-based strategies for improving reading to learn in the content areas (K-12).

0101	Ying Zhang Tu 5:00pm - 7:45pm	Seats (Total: 20) EDU 2212

TLPL647 **Diagnostic Reading Assessment and Instruction**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI662 or TLPL647. Formerly: EDCI662.

Prepares individuals to be proficient, classroom-based assessors of student literacy learning and development by examining literacy assessment theory, materials, and procedures and the use of assessment to inform instruction.

PXK3	Margaret Peterson Tu 5:00pm - 8:00pm Class time/details on ELMs	Seats (Total: 20) LCC 509 ONLINE

Students admitted to the Curriculum and Instruction (M.Ed.) CITE program may self-register. Registration for students outside of this program is By Permission Only. Golden ID students are not eligible for this section.

TLPL653 Clinical Assessment in Reading

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: TLPL645 and TLPL650; or permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI664 or TLPL653. Formerly: EDCI664.

Clinical diagnostic techniques and materials for assessing reading strengths and needs.

0101	Ayanna Baccus M 5:00pm - 7:45pm Class time/details on ELMs	Seats (Total: 20) LEF 1221 ONLINE

TLPL656 Teaching Culturally and Linguistically Diverse Exceptional Learners

Credits: 3 Grading Method: Regular

Credit only granted for: EDCI632 or TLPL656. Formerly: EDCI632.

Explores cross-cultural and linguistic diversity as they relate to identification procedures for and education of English learners with exceptional needs beyond the second language acquisition process such as learning disabilities and gifted & talented.

0101	Drew Fagan Th 5:00pm - 8:00pm	Seats (Total: 15) TWS 1107

TLPL657 Cross-Cultural Communication and Multilingual Learners

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDCI633 or TLPL657. Formerly: EDCI633.

Participants will research and critically reflect upon aspects of culture as a basis to understand students and to develop principles to guide culturally inclusive teaching decisions. Participants will better understand the role of culture and language in schooling in order to create classrooms where culturally and linguistically diverse students (also known as English Language Learners, English Learners) can succeed.

0101	Monica Obiri-Yeboah	Seats (Total: 25)
	W 5:00pm - 7:45pm	TWS 1107

TLPL661 **Multiliteracies: Theory and Practice**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: TLPL665. Credit only granted for: EDCI638, EDCI688J, or TLPL661. Formerly: EDCI638 and EDCI688J.

Explores the theoretical constructs and practical manifestations of multiliteracies in communities and schools by presenting an overview of the research on the constructs of New Literacy Studies, Critical Literacy, Digital Literacy, and Funds of Knowledge, as well as the practical implications of teaching reading and writing to culturally and linguistically diverse learners in content areas (i.e., language arts, math, science, social studies, etc.) in classrooms.

0101	Shenika Hankerson	Seats (Total: 15)
	M 5:00pm - 7:45pm Class time/details on ELMs	EDU 2119 ONLINE

TLPL664 **Foundations of Second Language Education: Legal, Social and Historical Trends and Issues**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDCI630 or TLPL664. Formerly: EDCI630.

Knowledge of history, research, current practice and public policy issues in the field of second languague education from kindergarten to post-secondary settings. Required for TESOL certification program.

0101	Sarah Moore	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

TLPL665 **Methods for Teaching Multilingual Learners**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDCI634 or TLPL665. Formerly: EDCI634.

Draws on current research to present methods of teaching English to speakers of other languages and challenges participants to analyze and apply successful classroom practices that address the needs of culturally and linguistically diverse learners (also known as English Language Learners, English Learners).

0101	Yueyue Wang M 5:00pm - 7:45pm	Seats (Total: 20) EDU 2212B
PUN1	Loren Jones Class time/details on ELMs *Must be in the TESOL Online PBC program. Golden ID students are not eligible for this section*	Seats (Total: 15) ONLINE

TLPL666 **English Grammar for Teachers of English to Speakers of Other Languages**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI635 or TLPL666. Formerly: EDCI635.

English grammar and methods of teaching grammar for graduate, prospective and current teachers of English to speakers of other languages. Analysis of the major grammatical structures of American English. Discussion of the role of teaching grammar, and effective classroom methods and techniques for the English as a second/foreign language classroom.

0101	Xinhang Hu Tu 5:00pm - 7:45pm Class time/details on ELMs	Seats (Total: 25) EDU 2119 ONLINE

TLPL667 **Teaching Multilingual Learners- Culturally Sustaining & Translanguaging Practices in Literacy Classrooms**

Credits: 3 Grading Method: Regular, Audit

Focuses on methods and materials for teaching reading and literacy to English learners/multilingual learners in various instructional settings.

0101	Jennifer Turner Tu 5:00pm - 7:45pm Class time/details on ELMs	Seats (Total: 20) ASY 3217 ONLINE

TLPL668 **Developing a Professional Portfolio**

Credits: 1-3 Grading Method: Regular, Audit, Sat-Fail

Students will examine issues of performance assessment and develop professional portfolios following the guidelines established by the National Board of Professional Teaching Standards. Drawing on the research data collected throughout their program and relying on inquiry, reflections, and analysis, they will synthesize and present the body of their teaching experience.

PUJ1	Gianna Fogelbach	Seats (Total: 3)
	M 5:00pm - 6:45pm	ONLINE
	Class time/details on ELMs	ONLINE
	Click here to request permission to register for this course. Click here for more program information.	

TLPL671 Education Policy Analysis

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Credit only granted for: EDPS620 or TLPL671. Formerly: EDPS620.

Policy making in education from planning to evaluation with emphasis on the identification of policy problems and the resources available to analysts through multi-disciplinary approaches. An introductory experience with education policy analysis.

0101	Meghan Comstock	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 2102

TLPL675 Embracing Diversity in Classroom Communities

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Credit only granted for: EDCI697 or TLPL675. Formerly: EDCI697.

The course aims to help students understand race, class, gender, and sexuality as systems of privilege, exclusion, marginalization, and the centrality of embracing diversity in the classroom communities to promote the success of all students.

PXT1	Imani Goffney	Seats (Total: 25)
	Meets August 21, 2025 - December 18, 2025	
	Th 5:00pm - 7:45pm	AJC 2132
	Class time/details on ELMs	ONLINE
	Must be in the Equitable Mathematics Education Leadership PBC program. Golden ID students are not eligible for this section.	

TLPL678 Professional Seminar in Education

Credits: 1 Grading Method: Regular, Audit

Seminar on the issues and problems teacher candidates encounter in classrooms. Exploration of the skills and strategies that best address these challenges.

0101	Antonio Perez Belda W 3:30pm - 4:50pm	Seats (Total: 5) ONLINE
IH69	Cara Grant M 4:00pm - 6:30pm Class time/details on ELMs	Seats (Total: 5) JMZ 1104 ONLINE
PXK4	Theresa Robinson **Meets September 2, 2025 - December 10, 2025** Tu 5:00pm - 8:00pm Class time/details on ELMs *Must be in Curriculum and Instruction (M.Ed.) CITE to register. Golden ID students are not eligible for this section.*	Seats (Total: 25) LCC 507 ONLINE

TLPL682 Philosophy of Education

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Credit only granted for: EDPS612 or TLPL682. Formerly: EDPS612.

A study of the great educational philosophers and systems of thought affecting the development of modern education, with particular emphasis on recent scholarship on philosophical problems in education.

0101	Campbell Scribner Tu 4:15pm - 7:00pm	Seats (Total: 20) TWS 1106

TLPL685 Teaching Social Studies in Elementary Schools

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDCI622 or TLPL685. Formerly: EDCI622.

Examination of current literature and research in the social sciences as they relate to social studies curriculum and instruction.

Contact department for information to register for this course.

TLPL686 Curriculum, Teaching and Assessment in Social Studies

Credits: 3 Grading Method: Regular, Audit

Prerequisite: TLPL470; or EDCI680. Credit only granted for: EDCI627 or TLPL686. Formerly: EDCI627.

Focuses on five key issues on social studies education: defining learning goals, building units with aligned goals, assessments, and instructional activities, designing inquiry-based lessons, assessing student learning, and modifying instruction based on assessment data.

Contact department for information to register for this course.

TLPL688U **Special Topics in Education; Seminar in Language, Literacy, and Social Inquiry**

Credits: 1 Grading Method: Regular

Special treatment of current topics and issues in teaching, learning, policy and leadership.

0101	Kerry Alexander, Reka Barton F 1:00pm - 3:00pm	Seats (Total: 15) ONLINE

TLPL688Y **Special Topics in Education; Conceptions of Equity and Justice in Education Policy**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Special treatment of current topics and issues in teaching, learning, policy and leadership.

0101	Meghan Comstock Tu 1:00pm - 3:45pm	Seats (Total: 20) PAC 1815

TLPL689 **Internship in Education; Teaching Internship**

Credits: 1-5 Grading Method: Regular, Audit

Internship or residency experiences in school settings with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to approved teacher education programs.

Student lab fee may apply. Contact program for details.

0101	Antonio Perez Belda Contact instructor or department for details.	Seats (Total: 10)
0201	Loren Jones Contact instructor or department for details.	Seats (Total: 10)
CE11	Cara Grant Contact instructor or department for details.	Seats (Total: 5)

TLPL695 **Methods I: World Language Methods and Technology**

Credits: 3 Grading Method: Regular

Credit only granted for: TLPL445 or TLPL695. Additional information: Lab and field experiences required.

The first of two sequential courses required for achieving competence in teaching a world language. Explores Dual Language/World Language Methods and Second Language/Bilingual development. Implications for teaching and initial lesson design are explored through on-campus seminars as well as guided field experiences. Students should reserve a regular half-day per week for the field experience in local schools.

0101	Antonio Perez Belda	Seats (Total: 14)
	Th 5:00pm - 7:45pm	TWS 1106

TLPL696 **Advanced World Language Methods and Technology**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: TLPL695; and TLPL695. Corequisite: Must be concurrently enrolled in TLPL479J. Credit only granted for: EDCI433, EDCI688A, TLPL450 or TLPL696. Formerly: EDCI688A.

Teaches advanced best practices for effective World Language instruction. Topics include: lesson planning, using authentic assessment and materials, applying national and state standards infusing culture, interdisciplinary content and technology. Classroom management procedures and strategies to create a welcoming and engaging classroom environment. Motivating students and differentiated instruction.

0101	Antonio Perez Belda	Seats (Total: 5)
	M 5:00pm - 7:45pm	EDU 2121

TLPL698 **Conducting Research on Teaching**

(Perm req)

Credits: 1-3 Grading Method: Regular

Analysis and improvement of educational practice. Research methods used in the study of classroom teaching. Design and conduct of an action research project. Open only to students admitted to approved teacher education programs.

PVJ1	Beatriz Quintos Alonso	Seats (Total: 20)
	Meets August 26, 2025 - December 9, 2025	
	Tu 5:00pm - 8:00pm	BLD3 2211
	Must be in Curriculum and Instruction (M.Ed.) STEM to register. Registration for students outside of this program is By Permission Only, click here to request permission to register for this course. Golden ID students are not eligible for this section.	

PXK3	Theresa Robinson **Meets September 2, 2025 - December 10, 2025** Th 5:00pm - 8:00pm Class time/details on ELMs	Seats (Total: 20) LCC 507 ONLINE

Must be in Curriculum and Instruction (M.Ed.) CITE to register. Golden ID students are not eligible for this section.

TLPL699 **Master's Seminar**

Credits: 3 Grading Method: Regular, Audit

Directed study for master's degree students writing seminar papers.

Contact department for information to register for this course.

TLPL704 **Research Methodologies and Educational Practice**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Teaching and Learning, Policy and Leadership Master of Arts program; or permission of instructor. Credit only granted for: TLPL788W or TLPL704. Formerly: TLPL788W.

Introduction to methodological approaches commonly used in educational research with a focus on addressing issues in teaching and learning, schools and communities, and educational policy.

0101	Fengfeng Ke Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 1315

TLPL708A **Special Topics in Technology, Learning & Leadership; TLL Graduate Research Seminar**

Credits: 1 Grading Method: Regular, Audit

Read, plan, conduct, and report on research projects and research topics related to Technology, Learning & Leadership. Projects may be faculty/student projects, or group or individual student projects (may or may not be related to a dissertation). Emphasis on framing researchable questions and designing/analyzing research studies. Faculty and peer feedback and interaction are crucial expectations.

0101	Sarah McGrew Tu 2:30pm - 3:30pm Class time/details on ELMs	Seats (Total: 10) EDU 2234 ONLINE

TLPL708C **Special Topics in Technology, Learning & Leadership; Educational Responses to Digital Mis- and Disinformation**

Credits: 3 Grading Method: Regular, Audit

Read, plan, conduct, and report on research projects and research topics related to Technology, Learning & Leadership. Projects may be faculty/student projects, or group or individual student projects (may or may not be related to a dissertation). Emphasis on framing researchable questions and designing/analyzing research studies. Faculty and peer feedback and interaction are crucial expectations.

0101	Sarah McGrew	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	HBK 0123

TLPL708X **Special Topics in Technology, Learning & Leadership; AI Literacy and Education**

Credits: 3 Grading Method: Regular, Audit

Read, plan, conduct, and report on research projects and research topics related to Technology, Learning & Leadership. Projects may be faculty/student projects, or group or individual student projects (may or may not be related to a dissertation). Emphasis on framing researchable questions and designing/analyzing research studies. Faculty and peer feedback and interaction are crucial expectations.

0101	Fengfeng Ke	Seats (Total: 20)
	W 1:00pm - 3:45pm	JMP 1202

TLPL710 **Theory and Research on Mathematical and Scientific Thinking and Learning**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: Admitted to Doctoral Program in Mathematics Education or Science Education; or permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI751 or TLPL710. Formerly: EDCI751.

Study of mathematical and scientific thinking by students at various levels of schooling considered from the perspective of those classic and contemporary theories of learning that are particularly relevant to the study of mathematics and science. Exploration of what it means to understand mathematics and science.

0101	Janet Walkoe	Seats (Total: 20)
	Tu 4:00pm - 7:00pm	ASY 3207

TLPL728 **Research Seminar in Mathematics and Science Education**

Credits: 1 Grading Method: Regular, Audit

Read, plan, conduct, and report on research projects and research topics in mathematics and science education. Projects may be faculty/student projects, or group or individual student projects (may or may not be related to a dissertation). Emphasis on framing researchable questions and designing/analyzing research studies. Faculty and peer feedback and interaction are crucial expectations.

0101	Daniel Chazan	Seats (Total: 20)
	F 10:00am - 1:30pm	EDU 2121
	Class time/details on ELMs	ONLINE

TLPL743 **Teaching Multilingual Learners: Current and Future Research Directions in Applied Linguistics and Language Education**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDCI734 or TLPL743. Formerly: EDCI734.

Examines the research base on teacher education through an equity-oriented lens, asking the larger question: How can we prepare teachers of multilingual learners to engage in humanizing and asset-oriented pedagogies? It also explores opportunities for future research in teacher education.

0101	Megan Peercy	Seats (Total: 20)
	W 9:30am - 12:30pm	EDU 2102

TLPL764 **Data Management and Coding in Stata**

Credits: 1 Grading Method: Regular, Audit

Recommended: Some prior experience with data management and statistical programming software (namely Stata) and with applied statistics. Credit only granted for: TLPL788D or TLPL764. Formerly: TLPL788D.

School districts and states are required to collect large swaths of data on students, teachers, and schools. These large administrative datasets have become the backbone of education policy research, and so students interested in engaging in this space increasingly need the skills to work with "big data." This course will help students learn a coding language from the program Stata in order to clean and analyze large datasets. Topics covered include: data cleaning, recoding and checking; merging data from multiple sources; reshaping data; documenting processes; writing programs and macros to reduce errors; and presenting descriptive data through tables and graphs.

Class will be held in the COE Computer Lab in Benjamin Building.

0101	Maxwell Anthenelli	Seats (Total: 20)
	M 12:00pm - 12:50pm	ASY 3219

TLPL765 **Quantitative Applicaltions for Education Policy Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDMS645; or students who have taken courses with comparable content may contact the department. Recommended: EDMS646; or EDMS651. Or EDMS646; and EDMS651. Credit only granted for: EDPS703 or TLPL765. Formerly: EDPS703.

Students use quantitative applications and secondary datasets to investigate social problems and education policies. Emphasis on the use of quasi-experimental designs and regression techniques to frame education issues, analyze, and recommend policies.

0101	Sung-Woo Cho M 1:00pm - 3:45pm	Seats (Total: 20) TWS 0205

TLPL771 **Pedagogy of Teacher Education**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of department. Credit only granted for: EDCI780 or TLPL771. Formerly: EDCI780.

Illuminates and challenges the somewhat implicit pedagogies of teacher education that have existed over time, and aims to develop a more overt knowledge of where the field is, and should be, as we engage in the opportunities and challenges of teaching and teacher education in our current era. To do so, we examine teacher education as racialized, linguicized, and gendered, and as situated in larger political and power-laden contexts.

0101	Keisha Allen W 4:15pm - 7:00pm	Seats (Total: 20) EDU 3315

TLPL774 **Urban Education**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDCI776 or TLPL774. Formerly: EDCI776.

This seminar provides students with a broad overview of urban education as a field of inquiry by examining the social context of urban schools, how transformative pedagogy is practiced and conceptualized as well as school reform.

0101	Tara Brown W 4:15pm - 7:00pm	Seats (Total: 20) ASY 3217

TLPL783 **Critical Ethnographic Research Methods**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: TLPL788R or TLPL783. Formerly: TLPL788R.

This course asks: why are you the person to study and tell the story of a community? Through critical ethnographic research methods and methodologies, students are invited to be self-reflexive and interrogate what it means to learn from, engage with, and tell stories about marginalized communities in racial/social justice research.

0101	Rossina Liu	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2102

TLPL788E **Special Topics in Education; Professional Seminar in Urban Education**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Special and intensive treatment of current topics and issues in teaching, learning, policy and leadership.

0101	Tara Brown	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 1315

TLPL788I **Special Topics in Education; Language Policy and Education**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Special and intensive treatment of current topics and issues in teaching, learning, policy and leadership.

0101	Sarah Moore	Seats (Total: 20)
	M 12:00pm - 2:45pm	EDU 2101

TLPL788M **Special Topics in Education; Research Development Workshop**

Credits: 1 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in teaching, learning, policy and leadership.

0101	Meghan Comstock	Seats (Total: 15)
	Tu 12:00pm - 12:50pm	VMH 2211

TLPL788N **Special Topics in Education; School Exclusion: Policy, Practice, and Intervention**

Credits: 3 Grading Method: Regular

Special and intensive treatment of current topics and issues in teaching, learning, policy and leadership.

0101	Jordan Bell	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2101

TLPL789 **Internship in Education**

Credits: 1-3 Grading Method: Sat-Fail

Approved professional experiences with appropriate supervision. Open only to students admitted to approved master's and doctoral specializations.

Contact department for information to register for this course.

TLPL791 **Qualitative Research I: Design and Fieldwork**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: EDCI790. Credit only granted for: EDCI791 or TLPL791. Formerly: EDCI791.

Examines the theoretical and epistemological moorings of different types of qualitative research. Students apply selected field research methods to problems of professional practice in schools and communities while considering central issues and dilemmas that arise while engaging in fieldwork.

0101	Jennifer Turner	Seats (Total: 20)
	W 4:30pm - 7:15pm	EDU 1315

TLPL792 **Qualitative Research II: Analysis and Interpretation of Data**

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Prerequisite: TLPL791. Credit only granted for: TLPL792 or EDCI792. Formerly: EDCI792.

Considers methods of on-going data analysis, ways of knowing and writing about field research, issues of reflexivity, and the ethical and political decisions involved in crafting text. Students read literature on and exemplars of multiple modes of qualitative data analysis and interpretation.

0101	Reka Barton	Seats (Total: 20)
	W 4:30pm - 7:15pm	EDU 2121

TLPL794 **Foundations of Educational Research I**

Credits: 3

Grading Method: Regular

Restriction: Must be in Teaching and Learning, Policy and Leadership (Doctoral) program. Credit only granted for: EDPS788P or TLPL794. Formerly: EDPS788P.

An introduction to the "contested terrain" of education research. It examines major conceptual, methodological and political issues embedded in efforts to carry out education research and focuses on the development of the analytic dispositions and communication skills required to carry out research that meets the variously defined quality, utility and significance standards of scholarship in the field.

0101	Andrew Brantlinger	Seats (Total: 24)
	Th 4:15pm - 7:00pm	EDU 1121

TLPL795 **Foundations of Educational Research II**

Credits: 3

Grading Method: Regular, Sat-Fail

Restriction: Must be in Teaching and Learning, Policy and Leadership (Doctoral) program. Credit only granted for: EDPS788T or TLPL795. Formerly: EDPS788T.

Students engage in the process of conceptualizing and completing a rigorous review of a section of literature in their area of specialization.

0101	Andrew Elby	Seats (Total: 25)
	Th 4:15pm - 7:00pm	EDU 2121

TLPL798 **Special Problems in Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Exploration of current problems in teaching, learning, policy and leadership. Available only to master's or doctoral candidates under the direction of their advisors.

Contact department for information to register for this course.

TLPL799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

TLPL868 **Seminar in Teacher Education and Professional Development**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

This course brings together graduate students and faculty who have interest in research and practical topics related to teacher education and professional development, to discuss current research, discuss problems of practice, share emerging research with peers, and build a community of practice.

0101	Mariana Sanchez	Seats (Total: 20)
	F 12:00pm - 2:00pm	ONLINE

TLPL888 **Apprenticeship in Education**

(Perm req)

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

TLPL889 **Internship in Education**

(Perm req)

Credits: 3-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

TLPL898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

TLPL899 **Doctoral Dissertation Research**

(Perm req) Credits: 1-8 Grading Method: Sat-Fail

Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. Dissertation.

Contact department for information to register for this course.

TLTC Teaching and Learning Transformation Center Fall 2025

TLTC310 Leadership in Collaborative Learning Groups

(Perm req) Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Restricted to students selected to participate in the Guided Study Sessions through the Teaching and Learning Transformation Center. Credit only granted for: HESI318N or TLTC310. Formerly: HESI318N.

Experiential learning opportunity that applies principles of leadership, peer mentoring, and learning theory to the planning and facilitation of peer-led collaborative learning sessions. Incorporates research, reasoning, evidence, and feedback to develop a reflective practice.

0101	Danielle Pafe W 5:00pm - 6:15pm Contact instructor or department for details.	Seats (Total: 20) JMZ 0208
0201	Danielle Pafe Th 3:30pm - 4:45pm Contact instructor or department for details.	Seats (Total: 20) KEY 0117

TLTC333 Fundamentals of Academic Peer Mentoring

Credits: 1 Grading Method: Regular

Additional information: This course is intended to be taken only once, in a student's first semester as an AMP.

How should scientific research influence the way we study and advance the academic performance of others? Learn about the scholarship of teaching and learning and develop the applied skills to support active learning as an academic peer mentor. Whether or not you ultimately pursue a career as an educator, the more effectively you can coach and support the performance of other people, and the more successful you will be. Guided online and face-to-face participation will culminate in a portfolio of your teaching activities and professional development.

Students must be working as an AMP in order to register for TLTC333. If you have any questions about this requirement, please email tltc-amp@umd.edu.

Click here for more course information.

0101	Mona Thompson W 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 55) ESJ 0201 ONLINE
	This section will meet in person in ESJ 0201 on these dates: September 17, October 22, and November 19.	
0102	Mona Thompson W 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 55) ESJ 0201 ONLINE
	This section will meet in person in ESJ 0201 on these dates: September 17, October 22, and November 19.	
0105	Mona Thompson Tu 12:30pm - 1:20pm Class time/details on ELMs	Seats (Total: 57) ESJ 0201 ONLINE
	This section will meet in person in ESJ 0201 on these dates: September 16, October 21 and November 18.	

TLTC399 **Independent Study in Academic Peer Mentoring**

(Perm req)

Credits: 1-3 Grading Method: Regular

Earn academic credit for the time spent supporting a course in TLTC's Academic Peer Mentoring Program (AMP).

Prerequisite: Must have completed or be concurrently enrolled in TLTC333. Restriction: Permission of TLTC required - enrollment restriction. Repeatable to 6 credits. Earn academic credit for the time spent supporting a course in TLTC's Academic Peer Mentoring Program (AMP).

Contact department for information to register for this course.

TLTC499A **Independent Study in Teaching and Learning**

(Perm req)

Credits: 1-3 Grading Method: Regular

Earn academic credit for the time spent supporting TLTC's educational development programs and/or engaging in the scholarship of teaching and learning.

Restriction: Permission of TLTC required. Contact the department for information to register for this course.

0101	Mona Thompson Contact instructor or department for details.	Seats (Total: 10)
0102	Danielle Pafe Contact instructor or department for details.	Seats (Total: 10)

UMEI005 **Advanced English as a Foreign Language**

Credits: 6 Grading Method: Sat-Fail, Audit

Semi-intensive course for the nearly proficient non-native speaker of English needing additional language instruction prior to undertaking full-time academic study. Speaking and listening skills; improvement of reading speed and comprehension; and development of writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Marilena Draganescu MTuThF 9:00am - 10:50am	Seats (Total: 15) SQH 1123
0201	Marilena Draganescu MTuThF 1:00pm - 2:50pm	Seats (Total: 15) SQH 1123
0301	Charles Duquette MTuThF 1:00pm - 2:50pm	Seats (Total: 15) SQH 2113

UMEI012 **Integrated English: Intermediate**

Credits: 5-10 Grading Method: Sat-Fail

Prerequisite: Placement exam; and permission of EDUC-Dean-Maryland English Institute department.

English as a Second Language course for students at the intermediate level.

0101	Heather Mehrtens MTuWTh 9:00am - 12:30pm	Seats (Total: 10) SQH 2120

UMEI013 **Integrated English: Advanced**

Credits: 5-10 Grading Method: Sat-Fail

Prerequisite: Placement exam; and permission of EDUC-Dean-Maryland English Institute department.

English as a Second Language for students at the advanced level.

0101	Heather Mehrtens MTuWTh 9:00am - 12:30pm	Seats (Total: 16) SQH 2120

UMEI028A **Special Topics in English as a Second Language**

Credits: 1-2 Grading Method: Sat-Fail

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.

0101	Louise Godley W 1:30pm - 3:30pm F 10:00am - 12:00pm	Seats (Total: 16) EDU 3233 SQH 3116

UMEI506 **English Pronunciation**

(Perm req)

Credits: 1 Grading Method: Sat-Fail, Audit

Restriction: Must have graduate standing.

Individualized class for the English learner, focused on maximizing clarity and communication skills to promote learning in a UMD classroom. Particular focus on two elements of American English: stress and intonation patterns in phrases and sentences when explaining academic concepts; pronunciation of individual sounds as needed.

0101	Louise Godley Class time/details on ELMs	Seats (Total: 16) ONLINE
0201	Raymond Smith TuTh 9:00am - 10:30am	Seats (Total: 16) ARC 1123

UMEI507 **Advanced Writing**

Credits: 3 Grading Method: Sat-Fail, Audit

A writing skills course at the graduate level focused on academic writing conventions of an American university, including general principles and research writing. Focus on producing clear and efficient writing, along with peer and self-editing strategies.

0101	Charles Duquette Class time/details on ELMs	Seats (Total: 15) ONLINE
0201	Charles Duquette MW 9:00am - 10:50am	Seats (Total: 15) EDU 3236

UNIV University Courses Fall 2025

UNIV099 **Internship Seminar**

(Perm req)

Credits: 0 Grading Method: Sat-Fail

Complements students' supervised work experiences. Open to all majors; all class levels. Involves exploring career options, developing professional work skills, examining the relationship between internship and academic coursework. Course may be repeated.

0101	Xiaotong Lu, Erica Ely Contact instructor or department for details.	Seats (Total: 90)

UNIV100 **The Student in the University**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: EDCP108O or UNIV100. Formerly: EDCP108O.

Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0101	Ulysses Crawford **Meets September 10, 2025 - November 18, 2025** Th 11:00am - 12:20pm *Restricted to first semester students enrolled in UTerp program.*	Seats (Total: 20) LEF 1220
0102	Gregory Shaffer **Meets September 10, 2025 - November 24, 2025** Tu 3:30pm - 5:30pm *Open to first-semester freshmen who are interested in pre-law.*	Seats (Total: 20) KEY 0125
0201	Kenneth Kokason W 11:00am - 12:20pm *Restricted to First Semester BSOS Majors.*	Seats (Total: 27) JMZ 0122
0202	Miriam Fraga, Nicole Diaz-Mackey W 1:00pm - 2:20pm *Restricted to First Semester BSOS Majors.*	Seats (Total: 27) JMZ 0122
0204	Emily Sessa Th 1:00pm - 2:20pm *Restricted to First Semester BSOS Majors.*	Seats (Total: 27) PLS 1111
0205	Bailey Kier W 3:00pm - 4:20pm *Restricted to First Semester BSOS Majors.*	Seats (Total: 27) ONLINE
0206	Tatiana Menjivar Tu 12:00pm - 1:20pm *Restricted to First Semester BSOS Majors.*	Seats (Total: 25) BPS 1234

0207	Rosalyn Anderson-Howell Tu 3:00pm - 4:15pm *Restricted to First Semester BSOS Majors.*	Seats (Total: 27) ASY 3211
0208	Brian Smith M 3:30pm - 4:50pm *Restricted to First Semester BSOS Majors.*	Seats (Total: 27) JMZ 0103
0210	TC Lloyd Tu 3:00pm - 4:20pm *Restricted to First Semester BSOS Majors.*	Seats (Total: 27) HBK 0115
0214	Kimberly Bellafiore M 1:00pm - 2:20pm *Restricted to First Semester BSOS Majors.*	Seats (Total: 27) TWS 1106
0305	Christopher Lester W 6:00pm - 7:50pm *Restricted to OMSE - College Success Scholars.*	Seats (Total: 20) ESJ 0215
0306	Christopher Lester W 6:00pm - 7:50pm *Restricted to OMSE - College Success Scholars.*	Seats (Total: 20) ESJ 0215
0501	Andrea Torres Negron W 2:00pm - 3:50pm *Restricted to students in the College of Education.*	Seats (Total: 25) KEY 0102
0505	Christie De Leon M 11:00am - 12:50pm *This section is for student in the College of Education only.*	Seats (Total: 20) WDS 1131
0802	Kelly Marbury **Meets September 9, 2025 - November 21, 2025** Th 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences students.*	Seats (Total: 20) JMZ 2125

0804	Christopher Villalobos **Meets September 9, 2025 - November 21, 2025** Th 3:30pm - 5:20pm *Restricted to First Semester Letters and Sciences students.*	Seats (Total: 20) WDS 1102
0806	Caroline Marr **Meets September 9, 2025 - November 21, 2025** W 3:30pm - 5:20pm *Restricted to First Semester Letters and Sciences students.*	Seats (Total: 20) JMZ 1122
0807	Lambert Aryee **Meets September 9, 2025 - November 21, 2025** Tu 11:00am - 12:50pm *For first semester Letters and Sciences students who are interested in STEM (science, technology, mathematics, engineering) majors or careers. Part of the STEM Exploration Series.*	Seats (Total: 20) PLS 1119
0808	Amanda Dennis Wheeler **Meets September 9, 2025 - November 21, 2025** Tu 2:00pm - 3:50pm *For first semester Letters and Sciences students who are undecided or choosing a major and need additional support with major exploration.*	Seats (Total: 20) EGR 1110
0820	Tara Feikes **Meets September 9, 2025 - November 21, 2025** Th 12:30pm - 2:20pm *For first semester Letters and Sciences students who are interested in STEM (science, technology, mathematics, engineering) majors or careers. Part of the STEM Exploration Series.*	Seats (Total: 20) HBK 0125

0841	Isaiah Willett **Meets September 9, 2025 - November 21, 2025** Tu 3:30pm - 5:20pm *For first semester Letters and Sciences students who are interested in STEM (science, technology, mathematics, engineering) majors or careers. Part of the STEM Exploration Series.*	Seats (Total: 20) PLS 1146
0852	Alexander Willie **Meets September 9, 2025 - November 21, 2025** W 3:00pm - 4:50pm *For first semester Letters and Sciences students who are interested in STEM (science, technology, mathematics, engrineering) majors or careers. Part of the STEM Exploration Series.*	Seats (Total: 20) JMZ 1120
1101	Maoqing Wang Tu 2:00pm - 3:15pm *Restricted to ARCH students only.*	Seats (Total: 18) ARC 1123
1103	Lena Redisch Tu 12:30pm - 1:45pm *Restricted to ARCH students only.*	Seats (Total: 18) ARC 1123
1105	Jennifer Feagley Tu 2:00pm - 3:15pm *Restricted to ARCH students only.*	Seats (Total: 18) ARC 1125
1201	Catherine Donohoe M 1:00pm - 2:15pm *Restricted to SPHL majors only; cannot be dropped without permission from college.*	Seats (Total: 20) SPH 0227
1202	Lawrence Hoffman M 3:00pm - 4:15pm *Restricted to SPHL majors only; cannot be dropped without permission from college.*	Seats (Total: 20) SPH 0227
1203	Kayla Hoffman Tu 9:30am - 10:45am *Restricted to Public Health Science major (12140) only. Cannot be dropped without permission from the college.*	Seats (Total: 20) SPH 0225

1204	Elaine Rudder Tu 2:00pm - 3:15pm *Restricted to SPHL majors only; cannot be dropped without permission from college.*	Seats (Total: 20) SPH 0225
1205	Felicia Low Tu 11:00am - 12:15pm *Restricted to Public Health Science major (12140) only. Cannot be dropped without permission from the college.*	Seats (Total: 20) SPH 0227
1206	April Khaing W 1:00pm - 2:15pm *Restricted to SPHL majors only; cannot be dropped without permission from college.*	Seats (Total: 20) SPH 0227
1207	Lawrence Hoffman Th 9:30am - 10:45am *Restricted to SPHL majors only; cannot be dropped without permission from college.*	Seats (Total: 20) SPH 0227
1208	Kendyl Oliver Th 2:00pm - 3:15pm *Restricted to SPHL majors only; cannot be dropped without permission from college.*	Seats (Total: 20) SPH 0225
1209	Samantha Griffin Tu 9:30am - 10:45am *Restricted to Kinesiology majors only; cannot be dropped without permission from college.*	Seats (Total: 20) SPH 0227
1210	Caitlin Minch W 3:00pm - 4:15pm *Restricted to SPHL majors only; cannot be dropped without permission from college.*	Seats (Total: 20) SPH 0227
1211	Beth Cohen Th 11:00am - 12:15pm *Restricted to SPHL majors only; cannot be dropped without permission from college.*	Seats (Total: 20) SPH 0225
1212	Lindsey Winter Th 11:00am - 12:15pm *Restricted to Kinesiology majors only; cannot be dropped without permission from college.*	Seats (Total: 20) SPH 0227

1213	Arielle Wharton Tu 2:00pm - 3:15pm	Seats (Total: 20) SPH 0227
	Restricted to SPHL majors only; cannot be dropped without permission from college.	
1214	Renee Stokes Th 2:00pm - 3:15pm	Seats (Total: 20) SPH 0121
	Restricted to SPHL majors only; cannot be dropped without permission from college.	
1503	Heather Buchanan M 2:00pm - 3:50pm	Seats (Total: 20) SYM 0118
	Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.	
1504	Sarah Balcom Th 2:00pm - 3:50pm	Seats (Total: 20) SYM 0118
	Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.	
FC01	Phylicia Nance M 7:30pm - 8:45pm	Seats (Total: 18) JMZ 0120
	Restricted to students in Freshmen Connection.	
FC02	Chamika Ellis M 4:30pm - 5:45pm	Seats (Total: 18) JMZ 1120
	Restricted to students in Freshmen Connection.	
FC03	Vanessa Georgiadis F 10:00am - 11:15am	Seats (Total: 18) EDU 2119
	Restricted to students in Freshmen Connection.	
FC04	Sandra Crespin Melgar F 1:00pm - 2:15pm	Seats (Total: 18) TYD 2109
	Restricted to students in Freshmen Connection.	
FC05	Olga Rozman W 7:30pm - 8:45pm	Seats (Total: 18) JMZ 0205
	Restricted to students in Freshmen Connection.	

FC06	Olga Rozman W 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 0205
FC07	Denise McHugh Th 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 0205
FC08	Nicki Kern M 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 1124
FC09	Foster McDaniel F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) EDU 2119
FC10	Keith Ferguson F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) ARC 1105
FC11	Ashley Sankowski F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) HBK 1108
FC12	Neil Dhingra M 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 1124
FC13	Jonathan Molnar M 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 0120
FC14	Lynn Truong Th 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 0120
FC15	Sharon Vanwright F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) TYD 1102

FC16	Ikeesha Sims F 10:00am - 11:15am *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 1105
FC17	Heather Gray Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) HBK 0125
FC18	Sangida Akter Tu 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 0205
FC19	Tyrese Fenty F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) KEY 0102
FC20	Howard Ly Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) MTH 0405
FC21	Eric Johnson Th 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 2120
FC22	Sharon Vanwright Th 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 2120
FC23	Marcal Graham M 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 1124
FC24	Jeany Cadet M 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 0118
FC25	Jeanea Dunbar F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SKN 1115

FC26	LaToya Walters M 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SYM 0209
FC27	Jonathan Johnson Th 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) KEY 0123
FC28	Valencia Brown F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) KEY 0126
FC29	Maya Rosenberg Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) PLS 1111
FC30	Teniqua Coates-Singh Tu 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) MTH 0405
FC31	Alana Ebert-Zavos F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 1101
FC32	Savannah Holt Th 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 0118
FC33	Daniel Hairfield Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) PLS 1117
FC34	Lauren Neimeyer Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) HBK 1112
FC35	Namrata Ram-Andriessens F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) KEY 0102

FC36	Alejandra Galarce Diaz M 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 2120
FC37	Julie Randolph M 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 2120
FC38	Juan Henry M 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 0205
FC39	Ryan Knapp F 10:00am - 11:15am *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 1101
FC40	Andrew Muir, Jamie Stednitz W 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) ASY 3215
FC41	Marissa Sariol-Clough Tu 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) KEY 0123
FC42	Gerard Boulin Tu 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 0120
FC43	Christopher Villalobos F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) MMH 1304
FC44	Andrea Torres Negron W 4:30pm - 5:45pm *Restricted to students in Freshman Connection. Recommended for students majoring in the College of Education.*	Seats (Total: 18) WDS 1102

FC46	Gregory Shaffer W 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 0118
FC47	Susan Johnston Tu 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 0118
FC48	Genna Godley Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) MTH 0402
FC49	Teniqua Coates-Singh F 10:00am - 11:15am *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 1121
FC50	Caroline Marr W 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 0120
FC51	Levar Kemp Tu 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 1124
FC52	Caroline Marr Tu 3:00pm - 4:15pm *Restricted to students in Freshmen Connection*	Seats (Total: 18) EDU 2101
FC53	Jeany Cadet M 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 1120
FC55	Tara Feikes F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 1121
FC56	Jeff Waters W 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 0122

FC57	Jahaira Dixon W 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 0120
FC58	Bobbie Tchopev Th 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SYM 0209
FC59	Steven Young M 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) TWS 1106
FC60	Diana Bridgett F 10:00am - 11:15am *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SQH 1103
FC61	Rosalyn Anderson-Howell F 10:00am - 11:15am *Restricted to students in Freshmen Connection.*	Seats (Total: 18) TWS 0201
FC62	Diana Bridgett F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) SKN 1115

UNIV106 **The Transfer Student in the University**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be a first-semester transfer student. Credit only granted for: UNIV106 or EDCP108G.

This course is designed to assist students in making a successful transition to the University of Maryland (UMD) and to serve as an extended orientation to campus living and learning.

0101	Melissa Hyre, JV Sapinoso, Keanu Stovall Tu 2:00pm - 2:50pm W 3:00pm - 3:50pm *Restricted to first-semester transfer students in Letters and Sciences.*	Seats (Total: 20) ESJ 2309 EGR 1110	Discussion

0103	JV Sapinoso, Melissa Hyre, Keanu Stovall	Seats (Total: 20)		
	Tu 2:00pm - 2:50pm Th 2:00pm - 2:50pm	ESJ 2309 HBK 1112	Discussion	
	Restricted to first-semester transfer students in Letters and Sciences.			
0105	Melissa Hyre, JV Sapinoso, Keanu Stovall	Seats (Total: 20)		
	Tu 2:00pm - 2:50pm Th 2:00pm - 2:50pm	ESJ 2309 KEY 0124	Discussion	
	Restricted to first-semester transfer students in Letters and Sciences.			

UNIV108 **Business Exploration Series Colloquium**

Credits: 1 Grading Method: Regular

For students interested in pursuing a business career. Students learn the fundamentals of career development and what the internship/job search process entails.

For students interested in pursuing a business career. Students learn the fundamentals of career development and what the internship/job search process entails.

FC02	Alana Ebert-Zavos	Seats (Total: 30)		
	M 4:30pm - 5:20pm W 4:30pm - 5:20pm	PHY 2122 PHY 2122	Discussion	
	Restricted to students in Freshmen Connection.			

UNIV110 **Grand Challenges of Our Time**

(Perm req)

Credits: 1 Grading Method: Regular

Restriction: Must have Freshmen standing; and permission of instructor.

An introduction to and solutions to society's grand challenges. Students meet with President Pines once a week and then in small discussion sections with two instructors. Previous topics have included literacy, Black Lives Matter, Covid, environmental justice, poverty, and voting and civic engagement.

0101	Jonathan Molnar, Brianna Joseph, Darryll Pines, Lisa Kiely	Seats (Total: 14)		
	Meets September 8, 2025 - November 12, 2025			
	M 4:00pm - 5:15pm W 4:00pm - 5:15pm	ESJ 1224 KEY 0117		

0102	Lisa Kiely, Darryll Pines, Stacia Woycheck, Jonathan Molnar, Henry Gittens **Meets September 8, 2025 - November 12, 2025** M 4:00pm - 5:15pm W 4:00pm - 5:15pm	Seats (Total: 14) ESJ 1224 MMH 0108
0103	Jonathan Molnar, Brandon Harris, Suzanne Ashour-Bailey, Darryll Pines, Lisa Kiely **Meets September 8, 2025 - November 12, 2025** M 4:00pm - 5:15pm W 4:00pm - 5:15pm	Seats (Total: 14) ESJ 1224 JMZ 0205
0104	Jonathan Molnar, Jessica Wilson, Darryll Pines, Lisa Kiely, Brittany Johnson M 4:00pm - 5:15pm W 4:00pm - 5:15pm	Seats (Total: 14) ESJ 1224 LEF 1221
0105	Lisa Kiely, Darryll Pines, Michael Robinson, Jonathan Molnar, Evelyn Covington-Moore **Meets September 8, 2025 - November 12, 2025** M 4:00pm - 5:15pm W 4:00pm - 5:15pm	Seats (Total: 14) ESJ 1224 JMZ 0120

UNIV269 **Connecting Across Cultures**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

An examination of culture to guide study abroad students through the stages of cross cultural adjustment and to promote cultural competency by providing the motivation, knowledge and skills necessary to work with diverse individuals and teams.

Contact department for information to register for this course.

UNIV269A **Connecting Across Cultures; Cultural Realities of Spain**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

An examination of culture to guide study abroad students through the stages of cross cultural adjustment and to promote cultural competency by providing the motivation, knowledge and skills necessary to work with diverse individuals and teams.

Contact department for information to register for this course.

UNIV362 **Designing Your Life after College**

Credits: 2 Grading Method: Regular

Restriction: Must have earned a minimum of 60 credits.

Helps students anticipate and prepare for changes in finances, social life, health, and career dynamics they are likely to experience as they transition from college to working full-time. It focuses on understanding what resources students have as they enter the workforce as critical for navigating post-graduation changes successfully. It offers an overview of financial, risk management and professional development approaches to increase students' confidence regarding post-graduation decisions; in addition, it develops their creative problem solving and reflection skills to help them align the outcomes of their decisions with their values.

Click here for more information on the Designing Your Life After College including Faculty & Speaker biographies.

0101	Melissa Hyre, Joseph Fileppi Tu 4:30pm - 6:30pm	Seats (Total: 25) TWS 0207
0102	Richard Blackman, Laura Widener Tu 4:30pm - 6:30pm	Seats (Total: 20) TYD 1102
0106	Jarrell Slade, Kenneth Kokason Tu 4:30pm - 6:30pm	Seats (Total: 25) TWS 0205

UNIV389J **Special Topics in Undergraduate Studies; Federal Independent Study Projects**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Courses will focus on interdisciplinary topics and will be planned in cooperation with Undergraduate Studies.

Prerequisite: Permission of instructor.

0101	Jayakumar Arasan, Sabrina Labold Class time/details on ELMs	Seats (Total: 25) ONLINE
0201	Jayakumar Arasan, Sabrina Labold Class time/details on ELMs	Seats (Total: 25) ONLINE

UNIV399 **Experiential Learning in Undergraduate Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular

Experiential learning offered in conjunction with certain designated Office of Undergraduate Studies programs.

0101	Jayakumar Arasan, Sabrina Labold Class time/details on ELMs	Seats (Total: 10) ONLINE	
0201	Jayakumar Arasan, Sabrina Labold Class time/details on ELMs	Seats (Total: 10) ONLINE	

URSP Urban Studies and Planning Fall 2025

URSP250 **The Sustainable City: Exploring Opportunities and Challenges**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: IE | General Education: DSSP, SCIS

An exploration, through an interdisciplinary approach, of a number of issues related to making cities more sustainable in terms of environmental protection, economic opportunity, and social justice. The course assist students to develop skills in critical analysis and systems thinking and to use those skills in analyzing sustainability related problems and potential solutions, and to expand students' understanding of the political implications of crafting and moving towards a sustainable urban future.

0101	Eric Burnstein, Sophie McManus M 9:00am - 10:15am W 9:00am - 10:15am	Seats (Total: 28) ARC 0204 TWS 0236	Discussion
0102	Eric Burnstein, Sophie McManus M 9:00am - 10:15am W 9:00am - 10:15am	Seats (Total: 28) ARC 0204 ASY 3203	Discussion
0103	Sophie McManus, Eric Burnstein M 9:00am - 10:15am W 9:00am - 10:15am	Seats (Total: 27) ARC 0204 LEF 1201	Discussion
0104	Sophie McManus, Eric Burnstein M 9:00am - 10:15am W 9:00am - 10:15am	Seats (Total: 27) ARC 0204 ARC 1101	Discussion

URSP601 **Research Methods**

Credits: 3 | Grading Method: Regular, Audit

Recommended: An undergraduate-level statistics course; and familiarity with Microsoft Excel. Formerly: URBS601.

Use of measurement, statistics, quantitative analysis, and micro-computers in urban studies and planning.

Restriction: Must be in the URSP program.

0101	Alibi Shokputov	Seats (Total: 25)
	M 11:00am - 1:40pm	ARC 1103

URSP604 **The Planning Process**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Credit only granted for: URSP604, URBS656, or URBS604. Formerly: URBS604.

Legal framework for U.S. planning; approaches to the planning process; tools and technology; systems thinking; defining problems and issues; soliciting goals and values; developing and making good presentations; public participation; developing and evaluating alternatives and scenarios; plan evaluation; developing RFPs.

0101	Ariel Bierbaum	Seats (Total: 20)
	Th 1:00pm - 3:40pm	ARC 1105

URSP605 **Planning History and Theory**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Examination of key, selected major events and issues in U.S. planning history and the development of the [planning profession; exploration of major themes in planning theory and practical applications of them; and analysis of the relationship of history and theory.

0101	Kathryn Howell	Seats (Total: 25)
	Th 4:00pm - 6:40pm	ASY 1213

URSP606 **Planning Economics**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Must not have completed URSP630. Credit only granted for: URSP606, URBS606, or URBS630. Formerly: URBS606.

Resource allocation in a market economy, the nature of market failures, and the justifications for public sector intervention. The limits and possibilities for planning in a market economy.

0101	Chengri Ding	Seats (Total: 15)
	Tu 4:00pm - 6:40pm	ARC 1103

URSP688I **Recent Developments in Urban Studies; The Comprehensive Plan**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.

0101	David Rouse	Seats (Total: 15)
	M 7:00pm - 9:40pm	ARC 1119

URSP688L **Recent Developments in Urban Studies; Planning Technology**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.

An introduction to technologies that are vital for contemporary planners. Whether planners work at the local, state, or federal level, for-profit or non-profit, urban or rural, or with targeted neighborhoods or regional entities, the necessity for planners to, at a minimum, understand technologies is paramount. These technologies are used to plan, develop, manage, and analyze geographic areas and their respective populations. Given the past, present, and assuredly future ubiquity of Geographic Information Systems (GIS), this course's major focus will be on developing analytical and visual GIS skills. Parallel to acquiring initial GIS skills using the most current and widespread software platforms for GIS, students will employ real-life 'hands-on' experience alongside instruction for analysis and visualization both in the static/desktop environments as well as in more dynamic/web environments.

0101	Md Alam	Seats (Total: 20)
	Tu 7:00pm - 9:40pm	ARC 1115

URSP688N **Recent Developments in Urban Studies; Urban Transportation Planning and Policy**

(Perm req)

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.

0101	Hiroyuki Iseki	Seats (Total: 20)
	W 4:00pm - 6:40pm	PKT 1112V

URSP688X **Recent Developments in Urban Studies; Planning, Policy, and Public Education**

(Perm req)

Credits: 3

Grading Method: Regular, Audit, Sat-Fail

Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.

0101	Ariel Bierbaum	Seats (Total: 20)
	Tu 1:00pm - 3:40pm	PKT 1112V

URSP688Z **Recent Developments in Urban Studies; Planning & Design in the Multicultural Metropolis**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.

This course explores theoretical, ethical, and practical questions abouttoday's multicultural metropolis. It addresses trends racial and ethnic inequality and draws on theories of justice, multicultural and intercultural planning, and the politics of difference to explore opportunities for change. It examines planners' roles in dealing with conflicting and competing uses and users, fostering spaces that meet theneeds of different groups, and promoting social and economic equity through the design of the built environment and urban policy.

0101	Willow Lung W 11:00am - 1:40pm	Seats (Total: 16) ARC 1119

URSP708 **Community Planning Studio**

(Perm req)

Credits: 6 Grading Method: Regular, Audit

The Community Planning Studio is a "capstone" course intended to provide students with an opportunity to apply their knowledge and skills to analyze current, pressing planning issues, in a selected community and to produce a report containing recommendations for addressing those issues. In essence, students act as a consulting team for a community client.

0101	Clara Irazabal Zurita, Jordan Exantus TuTh 4:00pm - 6:40pm	Seats (Total: 10) PKT 1112V

URSP709 **Field Instruction**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Students will satisfy a 300-hour internship (20 hours for 15 weeks during the spring, 25 hours a week for 12 weeks during the summer). Suitable internships are approved by the Internship Coordinator or Instructor; they involve a significant amount of planning work (preferably in the student's are of interest) and provide an appropriate on-site supervisor. The Internship Coordinator will assist students in finding a suitable internship, but the ultimate responsibility rests with each student. Whether the internship is paid or not is a matter to be worked out between the student and the organization.

0101	Casey Dawkins Class time/details on ELMs	Seats (Total: 20) ONLINE
0102	Kathryn Howell Class time/details on ELMs	Seats (Total: 5) ONLINE
1001	Gerrit Knaap Class time/details on ELMs	Seats (Total: 20) ONLINE

1201	Chengri Ding Class time/details on ELMs	Seats (Total: 20) ONLINE
1401	Marccus Hendricks Class time/details on ELMs	Seats (Total: 20) ONLINE
1501	Ariel Bierbaum Class time/details on ELMs	Seats (Total: 20) ONLINE
1601	Hiroyuki Iseki Class time/details on ELMs	Seats (Total: 20) ONLINE
1701	Instructor: TBA Class time/details on ELMs	Seats (Total: 20) ONLINE
1801	Instructor: TBA Class time/details on ELMs	Seats (Total: 20) ONLINE
2103	Willow Lung Class time/details on ELMs	Seats (Total: 20) ONLINE
2107	Clara Irazabal Zurita Class time/details on ELMs	Seats (Total: 20) ONLINE
2108	Nicholas Finio Contact instructor or department for details.	Seats (Total: 3)

URSP788 **Independent Study in Urban Studies and Planning**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Directed research and study of selected aspects of urban affairs.

Contact department for information to register for this course.

URSP798 **Readings in Urban Studies and Planning**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Directed readings in selected aspects of urban affairs and planning.

Contact department for information to register for this course.

URSP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

URSP804 **Advanced Planning Theory**

Credits: 3 Grading Method: Regular, Audit

Relations between theory and practice in planning. Ways of developing and using knowledge in collective action. Challenges to organizing for planning, finding knowledge useful for planning and balancing social attachments with free inquiry.

0101	Casey Dawkins	Seats (Total: 15)
	Tu 1:00pm - 3:40pm	ARC 1119

URSP810 **Contemporary Metropolitan Issues**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Urban and Regional Planning and Design (Doctoral) program.

Introduces Ph.D. students to current metropolitan issues. Focus is on the historical development of the issue, problem definition, methodological approaches to its study, methodological dilemmas, and the ways that different conclusions are translated into policy. Topics vary from semester to semester but include such topics as the spatial mismatch hpothesis, the impact of urban design and form on travel behavior, the impact of technology on urban form, the justification for historic preservation, and sustainable development.

0101	Hiroyuki Iseki	Seats (Total: 10)
	Th 1:00pm - 3:40pm	ARC 1119

URSP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Selected topics in Urban Studies and Planning. Topics will vary with the instructor.

Contact department for information to register for this course.

URSP899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Sat-Fail

This course is a required course for the Ph.D program in Urban and Regional Planning and Design.

Contact department for information to register for this course.

USLT Latina/o Studies Fall 2025

Please visit http://amst.umd.edu/programs/course/ for more course information.

USLT201 **U.S. Latina/o Studies I: An Historical Overview to the 1960's**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SH, D

Interdisciplinary course focusing on demographics, terminology and social constructs of race, class, ethnicity, indigeneity, gender, and sexuality associated with the historical and political roots of US Latinidades. Examines the formation, evolution an adaptation of US Latina/o communities as critical field of inquiry.

0101	Robert Chester	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	TWS 0134

USLT369A **Special Topics in Study Abroad III; Thinking in Andalusian: The Antonio Machado Family of Seville**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

USLT398A **Special Topics in Latino/a Studies; How to Read a Postcolonial Love Poem**

Credits: 3 Grading Method: Regular

Special Topics in Latino/a studies

Cross-listed with ENGL358A. Credit will be only granted for USLT398A or ENGL358A.

0101	Randy Ontiveros	Seats (Total: 25)
	MW 3:30pm - 4:45pm	TWS 0234

USLT398B **Special Topics in Latino/a Studies**

Credits: 3 Grading Method: Regular

Special Topics in Latino/a studies

Cross-listed with: AAAS398W and AMST328V. Credit only granted for: AAAS398W, AMST328V, or USLT398B.

0101	Jason Nichols	Seats (Total: 25)
	W 3:00pm - 5:30pm	BPS 1232

USLT450 **Central Americans and the United States: Culture, Politics, and Community**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: AMST498C, USLT450 or USLT498D. Formerly: USLT498D.

With attention to history, memory, politics, and culture, this course examines the relationships, conflicts, and exchanges of people and power between the United States and the Central American isthmus. We will investigate the role of the US government and military, as well as US corporate interests and US-backed dictatorships, in the culture, politics, and economy of nations including El Salvador, Nicaragua, Guatemala, and Honduras. Through literature, feature films, documentary films, theatre, poetry, and other mediums, the class will analyze responses to this history in Central American cultural productions originating both from the isthmus and from Central Americans living in the United States. In addition to US interventions in the Americas, the course will examine migration from Central America to North America and will conclude by exploring the lives and activities of Central Americans living in the USA.

Cross-listed with AMST498C. Credit only granted for AMST498C or USLT450.

0101	Robert Chester	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	TWS 0134

VIPS Vertically Integrated Projects Fall 2025

VIPS208A **Starting with Vertically Integrated Projects; Research/Research**

(Perm req)

Credits: 1-2

Grading Method: Regular, Pass-Fail, Audit

Team members beginning their experience with VIP@Maryland will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. How do undergraduate students come to see themselves as researchers? What shapes their experiences, builds their confidence, and helps them navigate challenges? Rooted in social and data sciences, the Research/Research VIP Team analyzes student experiences using multi- andmixed-methods approaches. In addition to addressing questions about undergraduate research experiences, our team works to better understand, test, and propose best practices for the use of artificial intelligence (AI) to enhance traditional qualitative research methods. Team members will develop hands-on skills in qualitative research, mixed-methods research, and experience analyzing data using AI & machine learning techniques.

0101	Carinna Ferguson	Seats (Total: 6)
	Tu 2:30pm - 4:30pm	AVW 3177

VIPS208B **Starting with Vertically Integrated Projects; Biosensors**

(Perm req)

Credits: 1-2

Grading Method: Regular, Pass-Fail, Audit

Team members beginning their experience with VIP@Maryland will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Our research focuses on the design of nucleotide-based Biosensors and point-of-care diagnostics for human and Environmental health-related challenges. Students conduct research in the field of synthetic biology, which is an interdisciplinary field at the interface of engineering and biology. Students work in small teams to design, build, and test biosensors using molecular biology laboratory techniques. This research group actively collaborates and is co-located with a connected undergraduate research group - FIRE Molecular Diagnostics.

0101	Catherine Spirito	Seats (Total: 6)
	W 3:00pm - 5:00pm	HJP 3223

VIPS208D **Starting with Vertically Integrated Projects; Researching Innovative Tools for Meaningful Digital Engagement**

(Perm req) Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Team members beginning their experience with VIP@Maryland will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Interested in tackling the flood of information and distractions from mobile devices and social media that challenge our engagement with important information? Join the Digital Engagement Lab to design, build, and test innovative tools for communicating multimedia to diverse audiences. Students from all majors including computer and data science, communication, journalism, business, education, psychology, and statistics research cutting-edge solutions using AI, machine learning, data visualizations, and mobile apps.

0101	Ronald Yaros	Seats (Total: 6)
	F 1:00pm - 3:00pm	KNI 3200

VIPS208E **Starting with Vertically Integrated Projects; Engineering on the Edge of Space**

(Perm req) Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Team members beginning their experience with VIP@Maryland will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Design, build, test, and fly engineering experiments to the Edge of Space and beyond! Most of our flights are on latex weather balloons which can go up to an altitude of 100,000 ft or above, but we may also fly on high-altitude long-duration NASA balloons and sounding rockets. A common theme in all this research is designing light weight and low-cost experiments that can produce meaningful data and results in flight. We also like to share our enthusiasm for space engineering with kids, so we have a number of ongoing outreach activities that we encourage all participants to get involved in.

0101	Kelly McNulty, Huy Huong, Aralia Ramirez, Herman Moeller, Mary Bowden, Akemi Takeuchi	Seats (Total: 9)
	F 5:00pm - 7:00pm	AJC 2134

VIPS208F **Starting with Vertically Integrated Projects; Go with the Flow!**

(Perm req) Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Team members beginning their experience with VIP@Maryland will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Having a hands-on lab component to fluid dynamics courses has always been an important part of the pedagogy. Traditional instruction has required expensive room-sized equipment that is used by relatively large groups, limiting the time for exploration and real understanding of the important principles. This project is developing a series of instructional kits that can be purchased by individual students and used at home, permitting a more creative and individualized exploration of the material, and a greater sense of ownership and depth of understanding. If you have an interest in thinking about a new way of learning, and/or interest in remote-controlled vehicles and model construction/design, this project may be a good fit for you!

0101	Aralia Ramirez, Ken Kiger, Kelly McNulty F 8:00am - 10:00am	Seats (Total: 6) AJC 1106

VIPS208Q **Starting with Vertically Integrated Projects; Wind TERPines**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Team members beginning their experience with VIP@Maryland will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Explore wind energy and its benefits! The VIP will apply as a team and prepare a proposal for the Department of Energy Collegiate Wind Competition. The VIP will look at both the design of a small offshore floating wind turbine and the siting of an offshore wind farm off the coast of Oregon. UMD students in this VIP will make connections with K-12 students by building educational awareness of wind energy and implementing outreach programs. The group will also interact with members of industry and government research.

0101	Kelly McNulty, James Baeder, Aralia Ramirez M 5:00pm - 5:50pm	Seats (Total: 6) KEB 1200
	An additional hour will be scheduled once the new team members' class schedules are confirmed.	

VIPS208R **Starting with Vertically Integrated Projects; 3D-Printed Video Game-Playing Soft Robots**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Team members beginning their experience with VIP@Maryland will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Soft robots have emerged as powerful alternatives for applications that would be difficult or impossible to realize using traditional, rigid robots. Despite a number of inherent benefits for soft robots, particularly in terms of safety for human-robot interactions, challenges associated with controlling the underlying fluidics of such systems represent key barriers to utility. Dr. Sochol's laboratory introduced a strategy for 3D printing soft robots comprising fully integrated fluidic circuitry ina single print run and demonstrated a soft robotic "hand" beating the first level of Super Mario Bros. This approach relied on an expensive (>$100,000) 3D printer. The goal of this project is to extend this strategy to inexpensive (e.g., <$500) 3D printers to support accessibility and demonstrate efficacy by engineering soft robots capable of playing video games.

0101	Paige Campbell, Aralia Ramirez, Abdil Chowdhury, Kelly McNulty, Ryan Sochol M 10:30am - 11:30am	Seats (Total: 6) AJC 1106

VIPS208T **Starting with Vertically Integrated Projects; TestuGo: A Bluetooth Navigation and Exploration App**

(Perm req) Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Team members beginning their experience with VIP@Maryland will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. The goal of this project is to create a location-based tool for students, faculty, staff and visitors to inform them of general information and events happening around them in real time. For example, a prospective student visiting campus can take an App guided tour based upon the major(s) they are interested in, visiting the facilities and learning about all the major has to offer. Based upon App-collected data, including where they visited and how long they spent at each location, a follow-up email can introduce them to staff that can answer questions. Another example would be letting a student passing a buildingknow that there is currently free pizza at an event inside. Current project goals include developing the prototype app, exploring the potential of sensor technologies, designing data collection processes, developing additional use cases, and setting up and conducting field tests.

0101	Kelly McNulty, Aralia Ramirez, Dmitry Akmal, Yanne Chembo, Bryan Quinn W 3:30pm - 5:30pm	Seats (Total: 6) AVW 1120

VIPS208X **Starting with Vertically Integrated Projects; Exoskeleton Explorers**

(Perm req)

Credits: 1-2

Grading Method: Regular, Pass-Fail, Audit

Team members beginning their experience with VIP@Maryland will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through th VIP@Maryland application process in order to join a VIP team. Study arthropods through 3D printing! Arthropods, including spiders, crabs, insects, and isopods, are a phylum of invertebrates with bodie built of hardened segments connected by membranous joints. These hard-soft compliant structures, which can be driven by internal hydraulic systems, are a fantastic model for bio-inspiration of soft robots and lightweight actuators.

0101	Aralia Ramirez, Rho Ma, Molly Carton, Kelly McNulty	Seats (Total: 6)
	F 2:00pm - 3:00pm	AJC 1106

VIPS208Z **Starting with Vertically Integrated Projects**

Credits: 1-2

Grading Method: Regular, Pass-Fail, Audit

Team members beginning their experience with VIP@Maryland will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

0101	Instructor: TBA	Seats (Total: 6)
	Contact instructor or department for details.	

VIPS308A **Engaging with Vertically Integrated Projects; Research/Research**

(Perm req)

Credits: 1-2

Grading Method: Regular, Pass-Fail, Audit

Team members will expand their role and responsibilities on their selected VIP@Maryland team. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. How do undergraduate students come to see themselves as researchers? What shapes their experiences, builds their confidence, and helps them navigate challenges? Rooted in social and data sciences, the Research/Research VIP Team analyzes student experiences using multi- andmixed-methods approaches. In addition to addressing questions about undergraduate research experiences, our team works to better understand, test, and propose best practices for the use of artificial intelligence (AI) to enhance traditional qualitative research methods. Team members will develop hands-on skills in qualitative research, mixed-methods research, and experience analyzing data using AI & machine learning techniques.

0101	Carinna Ferguson	Seats (Total: 6)
	Tu 2:30pm - 4:30pm	AVW 3177

VIPS308B **Engaging with Vertically Integrated Projects; Biosensors**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Team members will expand their role and responsibilities on their selected VIP@Maryland team. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Our research focuses on the design of nucleotide-based Biosensors and point-of-care diagnostics for human and Environmental health-related challenges. Students conduct research in the field of synthetic biology, which is an interdisciplinary field at the interface of engineering and biology. Students work in small teams to design, build, and test biosensors using molecular biology laboratory techniques. This research group actively collaborates and is co-located with a connected undergraduate research group - FIRE Molecular Diagnostics.

0101	Catherine Spirito	Seats (Total: 6)
	W 3:00pm - 5:00pm	HJP 3223

VIPS308D **Engaging with Vertically Integrated Projects; Researching Innovative Tools for Meaningful Digital Engagement**

(Perm req)

Credits: 1-2

Grading Method: Regular, Pass-Fail, Audit

Team members will expand their role and responsibilities on their selected VIP@Maryland team. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Interested in tackling the flood of information and distractions from mobile devices and social media that challenge our engagement with important information? Join the Digital Engagement Lab to design, build and test innovative tools for communicating multimedia to diverse audiences. Students from all majors including computer and data science communication, journalism, business, education, psychology, and statistics research cutting-edge solutions using AI, machine learning, data visualizations, and mobile apps.

0101	Ronald Yaros	Seats (Total: 6)
	F 1:00pm - 3:00pm	KNI 3200

VIPS308E **Engaging with Vertically Integrated Projects; Engineering on the Edge of Space**

(Perm req)

Credits: 1-2

Grading Method: Regular, Pass-Fail, Audit

Team members will expand their role and responsibilities on their selected VIP@Maryland team. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Design, build, test, and fly engineering experiments to the Edge of Space and beyond! Most of our flights are on latex weather balloons which can go up to an altitude of 100,000 ft or above, but we may also fly on high-altitude long-duration NASA balloons and sounding rockets. A common theme in all this research is designing light weight and low-cost experiments that can produce meaningful data and results in flight. We also like to share our enthusiasm for space engineering with kids, so we have a number of ongoing outreach activities that we encourage all participants to get involved in.

0101	Kelly McNulty, Huy Huong, Aralia Ramirez, Herman Moeller, Mary Bowden, Akemi Takeuchi	Seats (Total: 10)
	F 5:00pm - 7:00pm	AJC 2134

VIPS308F **Engaging with Vertically Integrated Projects; Go with the Flow!**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Team members will expand their role and responsibilities on their selected VIP@Maryland team. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Having a hands-on lab component to fluid dynamics courses has always been an important part of the pedagogy. Traditional instruction has required expensive room-sized equipment that is used by relatively large groups, limiting the time for exploration and real understanding of the important principles. This project is developing a series of instructional kits that can be purchased by individual students and used at home, permitting a more creative and individualized exploration of the material, and a greater sense of ownership and depth of understanding. If you have an interest in thinking about a new way of learning, and/or interest in remote-controlled vehicles and model construction/design, this project may be a good fit for you!

0101	Aralia Ramirez, Ken Kiger, Kelly McNulty	Seats (Total: 6)
	F 8:00am - 10:00am	AJC 1106

VIPS308Q **Engaging with Vertically Integrated Projects; Wind TERPines**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Team members will expand their role and responsibilities on their selected VIP@Maryland team. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Explore wind energy and its benefits! The VIP will apply as a team and prepare a proposal for the Department of Energy Collegiate Wind Competition. The VIP will look at both the design of a small offshore floating wind turbine and the siting of an offshore wind farm off the coast of Oregon. UMD students in this VIP will make connections with K-12 students by building educational awareness of wind energy and implementing outreach programs. The group will also interact with members of industry and government research.

0101	Kelly McNulty, Aralia Ramirez, James Baeder	Seats (Total: 18)
	M 5:00pm - 5:50pm Contact instructor or department for details.	KEB 1200
	An additional hour will be scheduled once the new team members' class schedules are confirmed.	

VIPS308R **Engaging with Vertically Integrated Projects; 3D-Printed Video Game-Playing Soft Robots**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Team members will expand their role and responsibilities on their selected VIP@Maryland team. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Soft robots have emerged as powerful alternatives for applications that would be difficult or impossible to realize using traditional, rigid robots. Despite a number of inherent benefits for soft robots, particularly in terms of safety for human-robot interactions, challenges associated with controlling the underlying fluidics of such systems represent key barriers to utility. Dr. Sochol's laboratory introduced a strategy for 3D printing soft robots comprising fully integrated fluidic circuitry ina single print run and demonstrated a soft robotic "hand" beating the first level of Super Mario Bros. This approach relied on an expensive (>$100,000) 3D printer. The goal of this project is to extend this strategy to inexpensive (e.g., <$500) 3D printers to support accessibility and demonstrate efficacy by engineering soft robots capable of playing video games.

0101	Kelly McNulty, Ryan Sochol, Abdil Chowdhury, Paige Campbell, Aralia Ramirez	Seats (Total: 6)
	M 10:30am - 11:30am	AJC 1106

VIPS308T **Engaging with Vertically Integrated Projects; TestuGo: A Bluetooth Navigation and Exploration App**

(Perm req) Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Team members will expand their role and responsibilities on their selected VIP@Maryland team. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. The goal of this project is to create a location-based tool for students, faculty, staff and visitors to inform them of general information and events happening around them in real time. For example, a prospective student visiting campus can take an App guided tour based upon the major(s) they are interested in, visiting the facilities and learning about all the major has to offer. Based upon App-collected data, including where they visited and how long they spent at each location, a follow-up email can introduce them to staff that can answer questions. Another example would be letting a student passing a buildingknow that there is currently free pizza at an event inside. Current project goals include developing the prototype app, exploring the potential of sensor technologies, designing data collection processes, developing additional use cases, and setting up and conducting field tests.

0101	Kelly McNulty, Aralia Ramirez, Bryan Quinn, Yanne Chembo, Dmitry Akmal	Seats (Total: 9)
	W 3:30pm - 5:30pm	AVW 1120

VIPS308X **Engaging with Vertically Integrated Projects; Exoskeleton Explorers**

(Perm req) Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Team members will expand their role and responsibilities on their selected VIP@Maryland team. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Study arthropods through 3D printing! Arthropods, including spiders, crabs, insects, and isopods, are a phylum of invertebrates with bodie built of hardened segments connected by membranous joints. These hard-soft compliant structures, which can be driven by internal hydraulic systems, are a fantastic model for bio-inspiration of soft robots and lightweight actuators.

0101	Molly Carton, Aralia Ramirez, Kelly McNulty, Rho Ma F 2:00pm - 3:00pm	Seats (Total: 7) AJC 1106

VIPS408A **Leading with Vertically Integrated Projects; Research/Research**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Advanced team members will take on mentorship and leaderships roles within their VIP@Maryland project. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. How do undergraduate students come to see themselves as researchers? What shapes their experiences, builds their confidence, and helps them navigate challenges? Rooted in social and data sciences, the Research/Research VIP Team analyzes student experiences using multi- andmixed-methods approaches. In addition to addressing questions about undergraduate research experiences, our team works to better understand, test, and propose best practices for the use of artificial intelligence (AI) to enhance traditional qualitative research methods. Team members will develop hands-on skills in qualitative research, mixed-methods research, and experience analyzing data using AI & machine learning techniques.

0101	Carinna Ferguson Tu 2:30pm - 4:30pm	Seats (Total: 6) AVW 3177

VIPS408B **Leading with Vertically Integrated Projects; Biosensors**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Advanced team members will take on mentorship and leaderships roles within their VIP@Maryland project. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Our research focuses on the design of nucleotide-based Biosensors and point-of-care diagnostics for human and Environmental health-related challenges. Students conduct research in the field of synthetic biology, which is an interdisciplinary field at the interface of engineering and biology. Students work in small teams to design, build, and test biosensors using molecular biology laboratory techniques. This research group actively collaborates and is co-located with a connected undergraduate research group - FIRE Molecular Diagnostics.

0101	Catherine Spirito	Seats (Total: 6)
	W 3:00pm - 5:00pm	HJP 3223

VIPS408D **Leading with Vertically Integrated Projects; Researching Innovative Tools for Meaningful Digital Engagement**

(Perm req)

Credits: 1-2

Grading Method: Regular, Pass-Fail, Audit

Advanced team members will take on mentorship and leaderships roles within their VIP@Maryland project. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Interested in tackling the flood of information and distractions from mobile devices and social media that challenge our engagement with important information? Join the Digital Engagement Lab to design, build and test innovative tools for communicating multimedia to diverse audiences. Students from all majors including computer and data science communication, journalism, business, education, psychology, and statistics research cutting-edge solutions using AI, machine learning, data visualizations, and mobile apps.

0101	Ronald Yaros	Seats (Total: 6)
	F 1:00pm - 3:00pm	KNI 3200

VIPS408E **Leading with Vertically Integrated Projects; Engineering on the Edge of Space**

(Perm req) Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Advanced team members will take on mentorship and leaderships roles within their VIP@Maryland project. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

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0101	Aralia Ramirez, Kelly McNulty, Huy Huong, Mary Bowden, Herman Moeller	Seats (Total: 6)
	F 5:00pm - 7:00pm	AJC 2134

VIPS408F **Leading with Vertically Integrated Projects; Go with the Flow!**

(Perm req) Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Advanced team members will take on mentorship and leaderships roles within their VIP@Maryland project. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Having a hands-on lab component to fluid dynamics courses has always been an important part of the pedagogy. Traditional instruction has required expensive room-sized equipment that is used by relatively large groups, limiting the time for exploration and real understanding of the important principles. This project is developing a series of instructional kits that can be purchased by individual students and used at home, permitting a more creative and individualized exploration of the material, and a greater sense of ownership and depth of understanding. If you have an interest in thinking about a new way of learning, and/or interest in remote-controlled vehicles and model construction/design, this project may be a good fit for you!

0101	Kelly McNulty, Ken Kiger, Aralia Ramirez	Seats (Total: 6)
	F 8:00am - 10:00am	AJC 1106

VIPS408Q **Leading with Vertically Integrated Projects; Wind TERPines**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Advanced team members will take on mentorship and leaderships roles within their VIP@Maryland project. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

Restriction: Permission of department. Students must apply through the VIP@Maryland application process in order to join a VIP team. Explore wind energy and its benefits! The VIP will apply as a team and prepare a proposal for the Department of Energy Collegiate Wind Competition. The VIP will look at both the design of a small offshore floating wind turbine and the siting of an offshore wind farm off the coast of Oregon. UMD students in this VIP will make connections with K-12 students by building educational awareness of wind energy and implementing outreach programs. The group will also interact with members of industry and government research.

0101	James Baeder, Kelly McNulty, Aralia Ramirez	Seats (Total: 8)
	M 5:00pm - 5:50pm Contact instructor or department for details.	KEB 1200
	An additional hour will be scheduled once the new team members' class schedules are confirmed.	

VIPS408R **Leading with Vertically Integrated Projects; 3D-Printed Video Game-Playing Soft Robots**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Advanced team members will take on mentorship and leaderships roles within their VIP@Maryland project. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

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0101	Abdil Chowdhury, Ryan Sochol, Paige Campbell, Aralia Ramirez, Kelly McNulty	Seats (Total: 8)
	M 10:30am - 11:30am Contact instructor or department for details.	AJC 1106
	An additional hour will be scheduled once the new team members' class schedules are confirmed.	

VIPS408T **Leading with Vertically Integrated Projects; TestuGo: A Bluetooth Navigation and Exploration App**

(Perm req)

Credits: 1-2

Grading Method: Regular, Pass-Fail, Audit

Advanced team members will take on mentorship and leaderships roles within their VIP@Maryland project. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

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0101	Bryan Quinn, Aralia Ramirez, Dmitry Akmal, Yanne Chembo, Kelly McNulty W 3:30pm - 5:30pm	Seats (Total: 6) AVW 1120

VIPS408X **Leading with Vertically Integrated Projects; Exoskeleton Explorers**

(Perm req)

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Advanced team members will take on mentorship and leaderships roles within their VIP@Maryland project. They will engage on interdisciplinary and vertically-integrated teams with a focus on research, design, industry competition, entrepreneurship, and community engagement projects related to active research and exploration areas of UMD faculty members. Students will also participate in lectures and professional development activities that include topics related to design, research, documentation and technical writing, communication, leadership and teamwork, ethics, project management, intellectual property, information literacy, and introduction to a broad range of applicable research topics, technologies and development tools. Students are expected to maintain involvement with the same project team for multiple terms.

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0101	Kelly McNulty, Aralia Ramirez, Rho Ma, Molly Carton F 2:00pm - 3:00pm	Seats (Total: 6) AJC 1106

VMSC Veterinary Medical Sciences Fall 2025

VMSC610 **Recombinant Viral Vectors**

Credits: 3 Grading Method: Regular, Audit

A comprehensive presentation of information on the molecular biology of the most relevent viral vectors developed to date and give insight on vector contruction, purification and utilization. Also intended for students in virology and related fields as well as to those interested in the application of viral vectors to basic research.

0101	George Belov	Seats (Total: 10)
	W 10:00am - 12:00pm	GVC 1131

VMSC670 Molecular Epidemiology of Infectious Diseases

Credits: 2 Grading Method: Regular, Audit

Prerequisite: Students planning to take this course are expected to have had some backgrounds in infectious diseases and molecular biology. Cross-listed with: EPIB670.

Molecular epidemiology is a discipline that uses molecular microbiology tools to study the distribution and determinants of diseases in human and animal populations. This course will provide a comprehensive overview and detailed discussion of the core molecular approaches and recent technological advances that are and can be used to investigate the etiology, transmission, and control of infectious diseases in veterinary medicine and public health. Theoretical and practical aspects of various molecular biology methods will be discussed in the context of epidemiological studies of infectious diseases including both bacterial and viral infections of veterinary and zoonotic significance. Lecture topics will cover the principles and application of various molecular techniques to problems of infectious diseases; population and evolutionary genetics of pathogenic microorganisms; data analysis and interpretation. Lecture materials will also be supported with practical data analysis, literature review discussions, which will be student-driven that will critique relevant manuscripts via group discussions in the classroom.

0101	Mostafa Ghanem	Seats (Total: 20)
	Tu 10:00am - 11:55am	GVC 1131

VMSC698 One Health Seminar

Credits: 1-3 Grading Method: Regular

"One Health" is an approach that recognizes that health of people is closely connected to health of animals and our shared environment. Outstanding leaders in the field will present ideas for analysis and discussion among class members. Topics will include presentation and discussion of scientific publications, current topics, and new methodologies.

Class will meet in 1216 Gudelsky Building.

0101	Chrysoula Kitsou	Seats (Total: 20)
	Th 11:00am - 12:00pm	GVC 1216

VMSC699 Special Problems in Veterinary Medical Sciences

Credits: 1-4 Grading Method: Regular

Independent study of a specific problem related to veterinary medicine such as a disease outbreak, application of a new diagnostic test or a risk analysis related to animal health. Targeted at veterinary medicine (DVM) students and other graduate students with a background in veterinary medicine.

Contact department for information to register for this course.

VMSC758 **Journal Club in Comparative Biomedical Sciences**

Credits: 1 Grading Method: Regular, Audit

The Journal Club in Comparative Biomedical Sciences is a graduate-level student-driven course. Each student will pick a peer-reviewed journal article for individual presentation and group discussion. The articles will cover a wide variety of biomedical science topics based on student and group interests.

0101	Seth Dickey	Seats (Total: 10)
	M 11:00am - 12:00pm	Location: TBA

VMSC780 **Parasites of Medical and Veterinary Importance**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Permission of instructor.

Provides students with the basic knowledge of parasites as well as research advancement in important parasites of humans and animals. Particular attention will be given to parasite biology, pathogenesis, and host responses to parasitic infection. A selection of parasites of medical and veterinary importance will be specifically covered with emphasis on recent research breakthroughs in the field.

Contact department for information to register for this course.

VMSC799 **Thesis Research**

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

VMSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

VMSC899 **Dissertation Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

WEID Words of Engagement Intergroup Dialogue Program — Fall 2025

WEID139B **Navigating Difference through Intergroup Dialogue; Race, Gender, Socioeconomic Status, or Body Size**

Credits: 1 Grading Method: Regular, Pass-Fail General Education: DVCC

The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on controversial, difficult, and divisive topics in an effort to foster positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased capacity for interaction across difference, heightened intergroup awareness and sensitivity, and greater commitment to community engagement.

0101	Salter Scharstein, Kiara Dade, Shawna Kessler, Anissa Scharborough, Leslie Krafft **Meets October 22, 2025 - December 8, 2025** Tu 5:30pm - 7:30pm	Seats (Total: 48) Location: TBA

WEID139L **Navigating Difference through Intergroup Dialogue; Race, Gender, Citizenship, or Religion**

Credits: 1 | Grading Method: Regular, Pass-Fail | General Education: DVCC

The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on controversial, difficult, and divisive topics in an effort to foster positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased capacity for interaction across difference, heightened intergroup awareness and sensitivity, and greater commitment to community engagement.

0201	Oak Long, Taylor Apolonio, Louisa Nkrumah, Leslie Krafft, Salter Scharstein, Taylor Green **Meets October 22, 2025 - December 8, 2025** W 5:30pm - 7:30pm	Seats (Total: 48) Location: TBA

WGSS Women, Gender, and Sexuality Studies Fall 2025

WGSS200 **Introduction to WGSS: Gender, Power, and Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP

Credit only granted for: WMST200 or WGSS200. Formerly: WMST200.

Examines constructions of race, class, sexuality, ability, and gender relations from a social science multi-disciplinary perspective. The course interrogates the ways that systems of hierarchy and privilege are created, enforced, and intersect through the language of race, class, sexuality, and national belonging. The course will provide students with the skills to examine how systems of power manifest in areas such as poverty, division of labor, health disparities, policing, violence. In addition to examining the impact of systems of power, students will reflect on their own location within the exercise of racialized, and gendered power relations. This course encourages students to understand and critique these systems both personally and politically.

0101	Zenzele Isoke	Seats (Total: 35)
	MW 2:00pm - 3:15pm	SQH 1103

WGSS205 **Reproductive Justice: An Introduction**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP

Developed by feminists of color, reproductive justice frameworks offer a roadmap for economic, social, and medical justice advocacy attentive to the intersections of race, class, gender, sexuality, and disability. This course reviews the historical, legal, and social bases of reproductive rights in the U.S.; discusses the history of feminist organizing for reproductive freedom; surveys critical theories of reproductive justice that go beyond abortion law to advocate for broader social transformation; and evaluates the possible futures of intersectional feminist activism after the overturning of Roe v. Wade.

FC01	Montia Daniels	Seats (Total: 25)
	TuTh 3:00pm - 4:15pm	CHE 2145
	Restricted to Freshman Connection students.	

WGSS230 **Introduction to Humanities, Health, and Medicine**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Restriction: Permission of ARHU-History Department. Cross-listed with: ARHU230, ENGL254, HIST219N. Credit only granted for: ARHU230 , ENGL289C, ENGL254, ARHU298A, HIST219N, or WGSS230.

An overview of the historical, cultural, ethical, and spiritual dimensions of medicine, human health, disease, and death from the points of view of various humanistic disciplines.

For information on registration, please email hhmminor@umd.edu.

0101	Jessica Mathiason	Seats (Total: 20)
	MW 2:00pm - 3:15pm	SQH 1121

WGSS250 **Introduction to WGSS: Art and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP

Credit only granted for: WMST250 or WGSS250. Formerly: WMST250.

Provides students with a critical introduction to the ways that art and art activism have served as a conduit to understanding and challenging systems of inequity and practices of normativity. Interrogating the categories of gender, sexuality, race, class, ability, the course will provide students with an examination of how artists have responded to pressing social justice issues of their eras. While the course centers visual art, students will also engage genres such as music, plays, literature, digital and performance art as arenas of social change.

0102	Michelle Rowley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) SKN 0200 EDU 2102	Discussion
0103	Michelle Rowley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) SKN 0200 ARC 1125	Discussion
0104	Michelle Rowley MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 20) SKN 0200 ASY 3207	Discussion
0105	Michelle Rowley MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 ARC 1125	Discussion
0301	Shameem Razack MWF 2:00pm - 2:50pm	Seats (Total: 25) KNI 1206	
0401	Tapaswinee Mitra TuTh 11:00am - 12:15pm	Seats (Total: 25) SQH 1105	

WGSS255 **Reading Women Writing**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP

Cross-listed with: ENGL250. Credit only granted for: ENGL250, WMST255 or WGSS255. Formerly: WMST255.

Explores literary and cultural expressions by women and their receptions within a range of historical periods and genres. Topics such as what does a woman need in order to write, what role does gender play in the production, consumption, and interpretation of texts, and to what extent do women comprise a distinct literary subculture. Interpretation of texts will be guided by feminist and gender theory, ways of reading that have emerged as important to literary studies over the last four decades.

0101	Danuta Hinc-Powell	Seats (Total: 30)
	TuTh 9:30am - 10:45am	ASY 3211

WGSS263 **Introduction to Black Women's Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Cross-listed with: AAAS263. Credit only granted for: WMST263, AASP298I, WGSS263, AAAS263 or AASP263. Formerly: WMST263.

Interdisciplinary exploration of Black women, culture and society in the United States. Drawn primarily from the social sciences and history with complementary material from literature and the arts.

0101	Elsa Barkley Brown	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	ONLINE

WGSS269G **Special Topics in Study Abroad II; Topics on Gender Studies**

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

WGSS269I **Special Topics in Study Abroad II; Social Problems: Women's Issues (In Indian Society)**

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

WGSS269W **Special Topics in Study Abroad II; Social Problems: Women's Issues Field Study**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

WGSS275 **World Literature by Women**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU, DVUP

Cross-listed with: CMLT275. Credit only granted for: WMST275, CMLT275 or WGSS275. Formerly: WMST275.

Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0201	Daniel Sidman MW 2:00pm - 3:15pm	Seats (Total: 30) TWS 0214	

WGSS280 **Gender and Science in Film and Media**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DVUP

Cross-listed with: ENGL289I. Credit only granted for: ENGL289I or WGSS280.

Isaac Azimov once said of science fiction that it is the genre that "deals with the reaction of human beings to changes in science and technology." With this definition in mind, we will embark on a critical exploration of sci-fi film and other media, using it as a lens for analyzing society's deepest fears and most furtive hopes. Our investigation will center on the liminal space between hegemonic culture and its prescribed excesses. These liminal spaces--between self and other, disability and enhancement, cultural hybridization, and gender crossing--shift in response to real-world sociopolitical tensions. We will consider feminist and anti-racist media scholars' concerns over representation, authorship and ideology alongside questions of technological change. Students will use analytical and creative assignments to explore not only how the scientific imaginary serves as fertile ground for feminist, disability, and anti-racist critique, but also provides a locus for alternative futures.

0101	Jessica Mathiason MW 4:00pm - 4:50pm Class time/details on ELMs	Seats (Total: 25) SQH 1117 ONLINE	 Discussion
0102	Jessica Mathiason MW 4:00pm - 4:50pm Class time/details on ELMs	Seats (Total: 25) SQH 1117 ONLINE	 Discussion

WGSS290 **Bodies in Contention**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP, SCIS

Credit only granted for: WMST298D or WGSS290. Formerly: WMST298D.

Explores the contributions of feminist scholarship in framing and resolving contemporary controversies concerning gendered bodies. It includes the ways in which knowledge about the human body has been shaped by cultural ideas of gender, race, sexuality and ability.

0101	Jessica Mathiason MW 10:00am - 11:15am	Seats (Total: 35) SQH 1121	
0201	Sydney Lewis TuTh 2:00pm - 3:15pm	Seats (Total: 32) SQH 1121	

WGSS291 **Racialized Gender and Rebel Media**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Credit only granted for: WGSS291 or WMST298N. Formerly: WMST298N.

An introduction to the interdisciplinary field of women's studies and an exploration of the ways in which media has been used as a platform for racial justice, feminist activism, and cultural transformation, with a principal focus on the expressions of women of color. The goals of the course are to explore how different forms of media shape the stories which circulate about race, femininities, masculinities, ethnicities, sexualities, religiosity, power and difference, and to examine how various media formats been used to disrupt dominant stories, to tell new stories, and to create differing understandings of citizenship.

0101	Eva Hageman MW 10:00am - 11:15am	Seats (Total: 25) SQH 1117	
0102	Eva Hageman MW 10:00am - 11:15am	Seats (Total: 25) SQH 1117	

WGSS298Q **Special Topics in Women, Gender, and Sexuality Studies; Stonewall and Beyond**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Thematic exploration of a topic in women, gender, and sexuality studies.

Explore queer & trans politics, identity, and culture though an interdisciplinary study of the historical and social context of personal, cultural and political aspects of sexuality, gender, and identity. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.

0101	Alexis Lothian MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ONLINE ONLINE	 Discussion
0103	Alexis Lothian MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) ONLINE ONLINE	 Discussion

WGSS301 **Introduction to Research in Gender, Race, and Queer Studies**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 3 credits from the WGSS Intro requirement course list: LGBT200, WGSS201, WGSS105, WGSS200, WGSS205, WGSS250, or WGSS263. Restriction: Must be in an undergraduate program in the Harriet Tubman Department of Women, Gender, and Sexuality Studies. Credit only granted for: WMST301 or WGSS301. Formerly: WMST301.

An introductory research skill-building course rooted in the ethical and political questions we ask when we work in communities struggling for a more just future. We will consider the fundamentals of scholarly research -- library skills, conceptualizing a research question, evaluating sources, understanding citation -- before we move on to consider broader ethical concerns about research and issues that arise in collaborative learning and community based projects. Anti-colonial, critical race, feminist, and queer theories, and ethics of research will be foundational to this class.

0101	Shelbi Meissner	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	SQH 4103

WGSS302 **Feminist, Critical Race, and Queer Theories**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: 6 credits in LGBT, WMST, WGSS or courses that are cross-listed with these. Credit only granted for: WMST302, WGSS302 or WMST400. Formerly: WMST302.

Introduces students to some of the major concepts in feminist, critical race, and queer theories. It examines the questions: What is theory? What forms does theory take? What is the relationship between theory and practice? What is the role of theory in political and social action? In art? In personal life? What does it mean to do theory?

0101	Will Mosley	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	SQH 1101

WGSS319F **Workshops in Gender, Race, and Queer Studies; Fandom**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics will change each semester but all workshops will be designed to have students think transdisciplinarily and interdisciplinarily about a specific topic or issue and to understand how differing approaches shape knowledge. Assignments within the workshops are aimed at students developing their skills in forms of presentation beyond the written essay, e.g. oral argument, digital or creative projects. Collaborative work must be central to all workshop courses; these collaborative activities do not preclude the possibility of individual research/writing assignments but the Workshops should emphasize conversation, debate, collaboration, and critique more so than the individually authored essay.

As a source of shared feeling, creative community, and collective action, fandom is a significant force in culture and politics. This course will explore the varied and ambiguous intersections of fandom with race,gender, and sexuality, centering on the contemporary US media landscape and how we arrived here. Students particular fandom interests will shapethe course of our collective study as well as providing material for research and creative projects.

0101	Alexis Lothian	Seats (Total: 35)
	MW 3:00pm - 4:15pm	SQH 1101

WGSS330 **Indigenous Feminisms**

Credits: 3 Grading Method: Regular

Cross-listed with: AMST328Q. Credit only granted for: WGSS379I, WGSS330, AMST328Q. Formerly: WGSS379I Special Topics in WGSS Indigenous Feminisms.

Students will engage with scholarship concerning Indigenous conceptions of gender, sexuality, family, and governance. In each unit, participants will study traditional practices, conceptions, and expressions of Indigenous feminisms; identify the disruptive tactics of settler colonialism, centering the resilience and resurgence of Indigenous communities. In a collaborative "pod" framework, students will engage in discussions and projects throughout the term. By the end of the course, students will craft a creative project reflecting their insights and intended contribution to Indigenous feminist movements. Key focal points include the deep dive into traditional conceptions of gender, the impact of colonial interventions, the complexities of Indigenous sexualities, familial adaptations under colonial strain, Indigenous governance, and Indigenous-led resistance and reclamation such as pipeline protests, protection of sacred Mauna Kea, and the MMIW movement.

Students will engage with scholarship concerning Indigenous conceptions of gender, sexuality, family, and governance. In each unit, participants will study traditional practices, conceptions, and expressions of Indigenous feminisms; identify the disruptive tactics of settler colonialism, centering the resilience and resurgence of Indigenous communities. In a collaborative "pod" framework, students will engage indiscussions and projects throughout the term. By the end of the course, students will craft a creative project reflecting their insightsand intended contribution to Indigenous feminist movements. Key focal points include the deep dive into traditional conceptions of gender, theimpact of colonial interventions, the complexities of Indigenous sexualities, familial adaptations under colonial strain, Indigenous governance, and Indigenous-led resistance and reclamation such as pipeline protests, protection of sacred Mauna Kea, and the MMIW movement. Cross-listed with AMST328Q. Credit will be only granted for WGSS330 or AMST328Q.

0101	Shelbi Meissner	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	SQH 1101

WGSS336 **Psychology of Women**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

Prerequisite: PSYC100. Cross-listed with: PSYC336. Credit only granted for: PSYC336, WMST336 or WGSS 336. Formerly: WMST336.

A study of the biology, life span development, socialization, personality, mental health, and special issues of women.

0101	Monica Cushnie	Seats (Total: 110)
	MW 11:00am - 11:50am	ESJ 1202
	Class time/details on ELMs	ONLINE

WGSS358 **Undergraduate Teaching Assistantship**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail

Students work under the supervision of a faculty mentor to assist with an undergraduate LGBT or WGSS course while also becoming conversant in feminist, critical race, and queer pedagogical debates and approaches.

Restriction: Permission of ARHU-Women's Studies department. Repeatable to 9 credits. Students work under the supervision of a faculty mentor to assist with an undergraduate LGBT or WMST course while also becoming conversant in feminist, critical race, and queer pedagogical debates and approaches.

Contact department for information to register for this course.

WGSS368 **Undergraduate WGSS Internship**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail

Undergraduate Internship in a position related to women, gender, and sexuality studies and overseen by a member of the WGSS faculty.

Restriction: Permission of the Harriet Tubman Department of Women, Gender, and Sexuality Studies.

Contact department for information to register for this course.

WGSS369G **Special Topics in Study Abroad III; Gender and Post Socialist Transformation in Central Europe**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

WGSS378 **Undergraduate Research and Creative Works Assistantship**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The Undergraduate Research Assistant provides an opportunity to develop a deep understanding of specific research methods and topics while involving the student in a professional role that requires ethical responsibility. The precise syllabus for the URA will be personalized to the student's interests and abilities, as well as to the specific research project and the Faculty Mentor's expectations. The student will meet with the Faculty Mentor prior to enrolling for a URA in order to determine the responsibilities and learning goals for the semester.

Restriction: Permission of the Harriet Tubman Department of Women, Gender, and Sexuality Studies. Repeatable to 9 credits if content differs. Formerly: WMST378.

Contact department for information to register for this course.

WGSS379J **Topics in Women, Gender, and Sexuality Studies; Black Women in Twentieth Century America**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Thematic exploration of a topic in women, gender, and sexuality studies.

Cross-listed with HIST319X, AMST498D, and AASP398J. Credit only granted for HIST319X, WGSS379J, AMST498D, or AASP398J. Traces twentieth-century United States history from the perspective of Black women. We will center their diverse voices and experiences as we explore themes including family, work, activism, and cultural expression.

0101	Leigh Soares	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TLF 1103

WGSS444 **Feminist Critical Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: WMST200, WGSS200, WMST250, WGSS250, or ENGL250. Cross-listed with: ENGL444. Credit only granted for: ENGL444, WMST444 or WGSS444. Formerly: WMST444.

Issues in contemporary feminist thought that have particular relevance to textual studies, such as theories of language, literature, culture, interpretation, and identity.

Contact department for information to register for this course.

WGSS488C **Senior Seminar; Tenderness in Black Expressive Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Seminar for advanced majors in women's studies or other students with appropriate preparation. Interdisciplinary topics will vary each semester.

Restricted to WGSS undergraduate students. Cross-listed with AAAS498K. Credit granted for WGSS488C or AAAS498K. Using a Black cultural studies approach to affect theory, a field of scholarship dedicated to the humanistic study of feeling, students will engage art that prioritizes a lesser known definition of tenderness, e.g. the sensitivity from a prior wound. Throughout the semester, we will read fiction, legal documents, lyrics, poetry, prose, and theory; listento Black music, podcasts, and interviews; and watch documentary, film, and music videos. Questions to explore include, what is tenderness? Whatis affect theory s relationship to gender, race, and sexuality? Whatqualities of Black/queer life come into focus when artists subvert assumptions of their (in)capacity? What do they risk when uncommon formsof tenderness resist racial/gender norms and deviate from what is deemed respectable?

0101	Will Mosley	Seats (Total: 15)
	Tu 3:30pm - 6:15pm	SQH 4116

WGSS489 **Individual Research in Gender, Race and Queer Studies**

Credits: 3 Grading Method: Regular

Allows students who wish to continue the research they began in WMST487 or WGSS487 to do so under the guidance of an individual faculty mentor. Each student taking this class will develop an individual syllabus based on the project on which they are working, with the goal of developing a work of scholarship specific to their interests that can serve as an entry point for graduate study or professional work.

Contact department for information to register for this course.

WGSS489A **Individual Research in Gender, Race and Queer Studies; WGSS Honors Thesis Writing**

Credits: 3 Grading Method: Regular, Pass-Fail

Allows students who wish to continue the research they began in WMST487 or WGSS487 to do so under the guidance of an individual faculty mentor. Each student taking this class will develop an individual syllabus based on the project on which they are working, with the goal of developing a work of scholarship specific to their interests that can serve as an entry point for graduate study or professional work.

Contact department for information to register for this course.

WGSS489B **Individual Research in Gender, Race and Queer Studies; WGSS Honors Thesis Writing 2**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Allows students who wish to continue the research they began in WMST487 or WGSS487 to do so under the guidance of an individual faculty mentor. Each student taking this class will develop an individual syllabus based on the project on which they are working, with the goal of developing a work of scholarship specific to their interests that can serve as an entry point for graduate study or professional work.

2001	Neel Ahuja Contact instructor or department for details.	Seats (Total: 4)
2701	Shelbi Meissner Contact instructor or department for details.	Seats (Total: 5)

WGSS497 **Professional Development**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 12 credits in LGBT, WMST or WGSS courses. Restriction: Must have completed a minimum of 75 credits. Credit only granted for: WMST497 or WGSS497. Formerly: WMST497.

To assist students in thinking about the next step post-undergraduate degree and to think long term about the importance of their WMST degree in lifelong career, personal, and political development. This course will provide students an opportunity to reflect upon where they are going beyond the B.A. and develop ways to communicate how their coursework and experiences at UMD have prepared them for the next step. The course will focus on the practicalities of resume writing, internship or job searches, etc. but also on the specific challenges/opportunities of translating interdisciplinary training to professional internship or beyond-the B.A. sites. Students may take this course in preparation for their internship (working to select an appropriate internship that can translate well to post-undergraduate aspirations) or they may take it post-internship as they determine their post-graduation steps.

Restricted to undergraduate students in WGSS/WMST

0101	Sydney Lewis	Seats (Total: 20)
	F 10:00am - 10:50am	ONLINE

WGSS498A **Advanced Special Topics in Women, Gender, and Sexuality Studies; Community Interventions: Domestic Violence I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of a thematic topic in women, gender, and sexuality studies.

Restricted to Psychology or Women Studies majors only. Cross-listing with WGSS498A. Credit only granted for PSYC318D, WGSS498A, or WMST498A. Theories and researchrelated to domestic violence and interventions with abused womenwill bestudied, and students will think critically regarding ethical andmulticultural issues related to domestic violence. Community resources and strategies for ending domestic violence in the United States will be discussed.

0101	Karen O'Brien	Seats (Total: 35)
	MW 10:00am - 11:15am	PLS 1158

WGSS498D **Sex, Gender, and Sexuality in the Islamic World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Cross-listed with PERS498M, PERS689M, CMLT679D, HIST419C, RELS429B, WGSS498D and WGSS698D. Credit only granted for PERS498M, PERS689M, CMLT679D, HIST419C, RELS429B, WGSS498D or WGSS698D.

0101	Matthew Miller	Seats (Total: 15)
	Th 12:30pm - 3:15pm	JMZ 3106A

WGSS498E **Advanced Special Topics in Women, Gender, and Sexuality Studies; Gender and Difference in the Arab World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of a thematic topic in women, gender, and sexuality studies.

Cross-listed with ARAB499D. Credit will be only granted for WGSS498E and ARAB499D.

0101	Anny Gaul	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	HJP 2118

WGSS498I **Advanced Special Topics in Women, Gender, and Sexuality Studies; Asian American Women and Gender**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of a thematic topic in women, gender, and sexuality studies.

Cross-listed with AAST424. Credit only granted for AAST498G, AAST422, or WGSS498I. Examines Asian/American cultural production along with theories of gender and sexuality in the field of Asian American Studies. We consider how Asian American femininities/masculinities are conceived and circulated, drawing from a diverse selection of twentieth-century and contemporary texts, films and images that connect Asian American bodies to ideas of absence, danger, inscrutability, hyper- or hypo-sexuality, and virulence. Beginning with early to mid-twentieth century representations, the course attends to theories that clarify the contested relationship between the East/West and Asia/U.S. Also examined are the methods through which bodies differentiated by sex, gender, and race are managed, surveilled, and rehabilitated, with close attention to the enduring legacies of American expansionism and conquest, anti-immigration policies in the U.S., and twentieth-century wars and occupations in Asia. The course engages Women of Color feminisms, queer theory, and disability studies.

0101	Jennifer Cho	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	TWS 1107

WGSS498L **Advanced Special Topics in Women, Gender, and Sexuality Studies; Women in Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of a thematic topic in women, gender, and sexuality studies.

Contact department for information to register for this course.

WGSS498Y **Advanced Special Topics in Women, Gender, and Sexuality Studies; Dickinson, Erotics, Poetics, Biopics: Some (Queer) Ways We Read Poetry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVUP

Advanced study of a thematic topic in women, gender, and sexuality studies.

Prerequisite: two English courses in literature or permission of department. Repeatable to 9 credits if content differs. Also offered as ENGL439D, LGBT448Y and WGSS498Y. Credit granted for ENGL439D, LGBT448Y, WGSS498Y or WMST498Y.

0101	Martha Nell Smith	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	TWS 1321

WGSS499 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research and writing or specific readings on a topic selected by the student and supervised by a faculty member of the Women's Studies Department.

Contact department for information to register for this course.

WGSS601 **Theoretical Foundations in Women, Gender, and Sexuality Studies**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Prerequisite: WMST400 or WGSS302; or students who have taken courses with comparable content may contact the department. Restriction: Must be in the Women, Gender and Sexuality Studies doctoral or graduate certificate program. Credit only granted for: WMST601 or WGSS601. Formerly: WMST601.

Examines fundamental concepts in the interdisciplinary field of Women, Gender, and Sexuality Studies. Engages intersectionality as a critical analytic and set of responses to structural power and domination. Provides students with a theoretical foundation for understanding gender, race, and sexuality as analytic categories operating in transnational and global contexts and intersecting with other categories of difference.

Restricted to graduate students in WGSS/WMST.

0101	Zenzele Isoke	Seats (Total: 12)
	Th 3:30pm - 6:00pm	SQH 4103

WGSS618 **Feminist Pedagogy**

Credits: 3 Grading Method: Regular, Sat-Fail

Examines the higher education classroom from a feminist perspective through theory and analysis. Students are graduate teaching assistants with the Women's Studies department.

0101	Michelle Rowley	Seats (Total: 5)
	TBA	SQH 4103

WGSS619 **Women, Gender, and Sexuality Studies Teaching Practicum**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Provides WGSS graduate teaching assistants with ongoing regular faculty supervision during the semesters the students are teaching courses in the department.

Contact department for information to register for this course.

WGSS628 **Women, Gender, and Sexuality Studies Colloquium**

Credits: 1 Grading Method: Sat-Fail

An intensive advanced exploration of current problems and issues in women, gender, and sexuality studies.

0101	Shelbi Meissner	Seats (Total: 12)
	W 4:00pm - 5:45pm	SQH 4116

WGSS698D **Special Topics in Women, Gender, and Sexuality Studies**

Credits: 3 Grading Method: Regular, Audit, Sat-Fail

Advanced work in selected topics in Women, Gender, and Sexuality Studies

Cross-listed with PERS498M, PERS689M, CMLT679D, HIST419C, RELS429B, WGSS498D and WGSS698D. Credit only granted for PERS498M, PERS689M, CMLT679D, HIST419C, RELS429B, WGSS498D or WGSS698D.

0101	Matthew Miller	Seats (Total: 15)
	Th 12:30pm - 3:15pm	JMZ 3106A

WGSS699 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Research and writing on specific readings on a topic selected by the student which is approved and supervised by a faculty member of the Harriet Tubman Department of Women, Gender, and Sexuality Studies.

Contact department for information to register for this course.

WGSS709 **Directed Independent Reading for Major Field Exam**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Directed reading in preparation for Major Field Exam. In consultation with their advisors, students identify, analyze, critique and synthesize material relevant to their major fields of inquiry. Grading will be based on combinations of oral performance in the bi-weekly meetings, production of annotated bibliographies and synthetic papers.

Contact department for information to register for this course.

WGSS799 **Masters Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Master's Thesis Research

Contact department for information to register for this course.

WGSS898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Pre-Candidacy Research

Contact department for information to register for this course.

WGSS899 **Doctoral Dissertation Research**

(Perm req)

Credits: 1-8 Grading Method: Sat-Fail

Doctoral Dissertation Research

Contact department for information to register for this course.

XPER xFoundry Fall 2025

XPER444 **Xperiment II: Bringing Your Idea to Life**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Xperience academic program; and permission of department. Additional information: For more information on Xperiment, visit: xfoundry.umd.edu/programs/xperience/xperiment.

Students will work in teams to design, develop, and iterate on solutions for the grand challenge problem. This course aims to equip students with the strategic skills essential for the successful design and implementation of effective solutions. They will explore methodologies for validating the feasibility and viability of proposed solutions, with a strong emphasis on conducting thorough customer feedback analysis to refine and validate product concepts. By the end of this course, students will have a working and tested prototype of their solution, showcasing their applied knowledge and practical skills in addressing complex challenges. This is the second course in xFoundry's signature academic program.

0101	Nicole Coomber, TJ Rainsford	Seats (Total: 40)
	Th 3:30pm - 6:30pm	ESJ 2101